

**PHASE I ENVIRONMENTAL SITE ASSESSMENT
PORTION OF PARCEL NO. 059-01900-000, AND
PARCEL NOS. 059-01900-003, 059-01900-008, AND
059-01892-006,
MONROE, MICHIGAN 48162**

prepared for

**DOWNRIVER COMMUNITY CONFERENCE
BROWNFIELD CONSORTIUM
15100 NORTHLINE ROAD
SOUTHGATE, MICHIGAN 48195**

AND

**PORT OF MONROE
P.O. Box 585
MONROE, MICHIGAN 48161**

**AKT PEERLESS PROJECT No. 1983F5-1-17
AUGUST 31, 2011**

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PHASE I ENVIRONMENTAL SITE ASSESSMENT

PORTION OF PARCEL NO. 059-01900-000, AND PARCEL NOS. 059-01900-003, 059-01900-008, AND 059-01892-006, MONROE, MICHIGAN 48162

AKT PEERLESS PROJECT NO. 1983F5-1-17

1.0 INTRODUCTION

The Downriver Community Conference Brownfield Consortium (DCCBC) (the Client) retained AKT Peerless Environmental & Energy Services (AKT Peerless) to conduct a Phase I Environmental Site Assessment (ESA) of a portion of Parcel No. 059-01900-000 (also referred to as 1405 East Elm Avenue), and Parcel Nos. 059-01900-003, 059-01900-008, and 059-01892-006, Monroe, Monroe County, Michigan (the subject property). DCCBC was awarded United States Environmental Protection Agency (USEPA) Brownfield Assessment Grant to conduct environmental assessments of petroleum and hazardous substance sites. This Phase I ESA was conducted as part of the Hazardous Substance Grant (BF-00E91601-0) on behalf of DCCBC (the Client) and the Port of Monroe (the User).

1.1 PURPOSE

The purpose of this Phase I ESA was to evaluate the current and historical conditions of the subject property in an effort to identify *recognized environmental conditions* (RECs)¹ and *historical recognized environmental conditions* (HRECs)² in connection with the subject property. Moreover, certain users of this Phase I ESA may be able to satisfy one of the environmental due diligence requirements to qualify for the bona fide prospective purchaser, contiguous landowner, or innocent landowner liability protections available under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) of 1980, the Superfund Amendments and Reauthorization Act (SARA) of 1986, and the Small Business Liability and Brownfield Revitalization Act (Brownfield Amendments) of 2002. This Phase I ESA is intended to reduce, but not eliminate, uncertainty regarding the potential for RECs and HRECs in connection with the subject property.

¹ ASTM's Standard Practice E 1527-05 defines the term recognized environmental condition (REC) as the presence or likely presence of any hazardous substance or petroleum product on a property under conditions that indicate (1) an existing release, (2) a past release, or (3) a material threat of a release of a hazardous substance or petroleum product into structures on the subject property or into the ground, groundwater, or surface water of the subject property.

² ASTM defines the term historical recognized environmental condition (HREC) as an environmental condition which in the past would have been considered an REC, but which may or may not be considered an REC currently. Neither HRECs nor RECs are intended to include *de minimis* conditions that generally do not present a material risk of harm to public health or the environment and would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies.

1.2 SCOPE OF SERVICES

AKT Peerless' scope-of-services is based on its proposal PF-12128, dated June 1, 2011, and the terms and conditions of that agreement. This Phase I ESA included the following:

- an inquiry of environmental conditions by an environmental professional.
- a review of specialized knowledge reported by the Client.
- a review of public and historical records, including those maintained by federal, state, tribal, and local government agencies.
- interviews with regulatory officials and personnel associated or knowledgeable with the subject property, including as appropriate past and present owners, or neighbors if the property is abandoned.
- a reconnaissance of the subject property and adjoining properties.

1.3 PROJECT RESOURCES

AKT Peerless referred to the following resources between June 1, 2011 and August 31, 2011 to complete its ESA:

- United States Environmental Protection Agency (USEPA), Region 5
- United States Geological Survey (USGS)
- United States Department of Agriculture (USDA) Soil Conservation Service
- Michigan Department of Environmental Quality (MDEQ)
- Monroe County Environmental Health Department
- City of Monroe Government Sources (e.g., assessing, building, fire, engineering departments, etc.)
- Environmental Data Resources, Inc. (EDR)
- Interviews and Questionnaire Responses

1.4 SIGNIFICANT ASSUMPTIONS

During this Phase I ESA, AKT Peerless made the following significant assumptions:

- AKT Peerless assumed that the information provided by EDR in the regulatory database report is an accurate and complete representative summary of the information contained in the referenced regulatory agency records, except when such information is obviously contradicted by other data.
- AKT Peerless assumed that the information used to prepare this assessment that was obtained from ostensibly knowledgeable individuals, regulatory agency representatives, or other secondary sources was an accurate and complete representative summary of the information possessed by those individuals, representatives, or sources.

1.5 LIMITATIONS AND EXCEPTIONS

A list of general limitations and exceptions typically encountered when completing Phase I ESAs is provided in Appendix A. Along with the inherent limitations set forth in various sections of ASTM Standard Practice E 1527-05 and the USEPA All Appropriate Inquiry Standard, the accuracy and completeness of this report may also be limited by the following project specific facts or conditions:

- AKT Peerless was unable to visually inspect/access a majority of Parcels D, E, and F due to dense and wooded vegetation and standing water/marshy areas.

Subject to the general limitations and exceptions listed in Appendix A and the referenced terms and conditions, AKT Peerless accepts responsibility for the competent performance of its duties in executing this assignment and preparing this report in accordance with the normal standards of the profession, but disclaims any responsibility for consequential damages.

Should additional information become available to the Client that differs significantly from our understanding of conditions presented in this report, AKT Peerless requests that such information be forwarded immediately to our attention so that we may reassess the conclusions provided herein and amend this project's scope of services as necessary and appropriate.

1.6 SPECIAL TERMS AND CONDITIONS

To the best of AKT Peerless' knowledge, no special terms or conditions apply to the preparation of this Phase I ESA.

1.7 USER RELIANCE

AKT Peerless performed this Phase I ESA for the benefit of the Client and the Port of Monroe (a User). AKT Peerless acknowledges that these parties may rely on the contents and conclusions presented in this report. Unless stated otherwise in writing, AKT Peerless makes no other warranty, representation, or extension of reliance upon the findings of this report to any other entity or third party.

2.0 USER AND/OR CLIENT PROVIDED INFORMATION

The following subsections summarize the information the Port of Monroe provided to AKT Peerless.

2.1 TITLE RECORDS

The User did not provide recorded land title records to AKT Peerless.

2.2 ENVIRONMENTAL LIENS OR ACTIVITY AND USE LIMITATIONS

The User did not report any: (1) environmental cleanup liens against the subject property that are filed or recorded under federal, tribal, state, or local law; or (2) activity and use limitations

(AULs), such as engineering controls, land use restrictions or institutional controls, that are in place at the subject property and/or have been filed or recorded in a registry under federal, tribal, state, or local law.

2.3 KNOWLEDGE OF THE USER

The User did not report specialized knowledge or experience, actual knowledge, or commonly known or reasonably ascertainable information that is material to identifying recognized environmental conditions in connection with the subject property, except as conveyed during interviews which indicated Parcel C's parent parcel was historically utilized as a landfill. Refer to Sections 4.2 and 4.5 for further information pertaining to this historical use.

2.4 VALUATION REDUCTION FOR ENVIRONMENTAL ISSUES

The User did not report knowledge of, or reason to anticipate, a reduction in the value of the subject property for environmental issues.

2.5 REASON FOR PERFORMING THIS PHASE I ESA

According to the User, this Phase I ESA was conducted as part of environmental due diligence related to acquiring the subject property.

3.0 SUBJECT PROPERTY DESCRIPTION

3.1 LOCATION AND LEGAL DESCRIPTION

The subject property is located in Sections 82 and 571 in the City of Monroe, Township 7 South (T. 7S.), Range 9 East (R. 9E.), Monroe County, Michigan. The subject property is situated north of East Elm Avenue, west of Interstate-75, south of Mason Run Drain, and east of Detroit Avenue and consists of four irregularly-shaped parcels that contain a total of approximately 53.23 acres. The subject property is unoccupied.

For ease of reference in this report, AKT Peerless has designated each of the subject property parcels with a letter. These designations have no relevance to legally recorded data about the subject property. The parcel number letter designations continue from AKT Peerless' August 2, 2011 Phase I ESA on adjoining/nearby parcels that are part of this overall project.

| Parcel | Address | Tax Identification Number | Owner of Record | Approximate Acreage |
|---------------|------------------|----------------------------------|------------------------|----------------------------------|
| C | 1405 East Elm | Portion of 59-01900-000 | Homrich, Inc. | 15.91 of the 59.84 parent parcel |
| D | 1504 Mill Street | 059-01900-008 | Homrich, Inc. | 18.43 |
| E | 1508 Mill Street | 059-01892-006 | Homrich, Inc. | 16.64 |
| F | none | 059-01900-003 | Homrich, Inc. | 2.33 |

Refer to Figure 1, Subject Property Location Map; Figure 2, Topographic Location Map; Figure 3, Parcel Map; and Figure 4, Subject Property Map. The legal description of the subject property is presented in Appendix B. Photographs taken during AKT Peerless' subject property reconnaissance are provided in Appendix C.

3.2 SUBJECT PROPERTY AND VICINITY CHARACTERISTICS

The subject property is located in an area of Monroe that is characterized by residential and industrial properties, a river, several railroad tracks, a freeway, and surface roadways.

3.3 DESCRIPTION OF STRUCTURES AND OTHER IMPROVEMENTS

Parcel C

There are no structures on Parcel C. Parcel C is covered with sparse grassy vegetation.

Parcel D

There are no structures on Parcel D. Parcel D is covered standing water/marshy areas and dense vegetation.

Parcel E

There are no structures on Parcel E. Parcel E is covered standing water/marshy areas and dense vegetation.

Parcel F

There are no structures on Parcel F, with the exception of the River Raisin Heritage Trail. The trail is asphalt paved and extends through the parcel in a west/east direction. Remaining portions of Parcel F are covered with standing water/marshy areas and dense vegetation.

3.4 CURRENT USE OF THE SUBJECT PROPERTY

The subject property currently is not used for any significant or obvious purpose. The subject property is zoned Industrial (I-2).

3.5 UTILITIES AND MUNICIPAL SERVICES

AKT Peerless identified the type and supplier of utilities provided to the subject property. These services are described in the following table:

| Utility / Service | Type | Utility Company or Municipality | Comments/Historical Services |
|--------------------------|----------------|--|---|
| heat | natural gas | Michigan Gas Utilities | Natural gas service is available to the subject property. |
| municipal waste | none generated | not applicable | None |
| potable water | municipal | City of Monroe | Municipal drinking water has been available to the subject property area since at least 1922. |
| electricity | electric lines | Detroit Edison | Electricity has been available to the subject property area since at least 1922. |

| Utility / Service | Type | Utility Company or Municipality | Comments/Historical Services |
|-------------------|-----------|---------------------------------|--|
| sewage disposal | municipal | City of Monroe | Municipal sewage utilities are available to the subject property. |
| storm water | county | Monroe County | Storm water either percolates into the ground or runs off into drain/marsh systems |

Additional information regarding the referenced heat, water, and sewage utilities is presented in Section 4.4.

3.6 CURRENT USES OF THE ADJOINING PROPERTIES

The following table describes the current uses of the adjoining properties, identified occupants, and noteworthy observations of environmental concern, if any, that were noted during AKT Peerless' recent reconnaissance of the adjoining properties.

| Direction | Address | Current Use / Occupant | Potential Concerns |
|------------------------------|---|--|------------------------|
| northwest | 281 Detroit Avenue | UAW Local 723 | none observed |
| north | not applicable | unimproved wooded land / vacant | none observed |
| east | not applicable | Interstate 75 | none observed |
| south (from west to east) | Portion of Parcel C's parent parcel (59-01900-000). Also considered a western adjoining property to Parcels D, E, and F | unimproved land / vacant – former landfill | former landfill |
| | 1560 East Elm Avenue | commercial / Riverfront Marina | potential boat fueling |
| | not applicable | Interstate 75 exit ramp | none observed |
| west (from north to south) | 1403/1407 East Elm Avenue | recreational / River Raisin Battlefield Visitor's Center | none observed |

Based on AKT Peerless' visual observations, the current uses of the adjoining properties do not appear to pose a direct environmental threat to the subject property, except for the southern adjoining former landfill and marina. Additional information about the potential environmental threats posed by those uses is presented in Sections 4.2.2, 4.3.1, 4.3.2, and 4.4.5.

4.0 RECORDS REVIEW

The objective of the records review is to evaluate reasonably ascertainable databases, historical records, and physical setting records to help identify recognized environmental conditions at the subject property and, to the extent identifiable, at surrounding properties.

4.1 PHYSICAL SETTING SOURCES

AKT Peerless reviewed geological survey maps for geologic, hydrologic, and topographic conditions that may affect potential contaminant migration to the subject property.

4.1.1 Topography and Area Hydrogeology

According to the United State Geologic Survey's (USGS') 7.5' *Topographic Map of the Monroe, Michigan Quadrangle*, which was published in 1967 and was photorevised in 1979, the subject property is approximately 580 to 590 feet above the National Geodetic Vertical Datum (NGVD). The subject property's topography appears generally flat.

Typically, the water table aquifer flows toward a major drainage feature or in the same direction as the drainage basin. The Mason Run Drain, which flows to the east, adjoins the subject property to the north. Additionally, The Raisin River, which flows to the east, is located to the south of the subject property, beyond East Elm. Therefore, AKT Peerless infers that groundwater beneath the subject property flows to the southeast, with potential influence from the Mason Run and Raisin River.

AKT Peerless did not observe groundwater monitor wells on the subject property. Groundwater from the area of the subject property does not serve as the primary drinking water source for properties in Monroe.

Previous investigations at surrounding properties indicated that the average depth to groundwater is six to ten feet below grade and the groundwater flow is to the southeast.

4.1.2 Area Geology and Soils

According to the MDNR Geological Survey Division's *Bedrock Geology of Southern Michigan* (1987), bedrock beneath the subject property is classified as the Salina unit of the Salina Group, which is included in the Cayugan Series within the Silurian System of the Paleozoic Era. During previous investigations at the subject property and adjoining properties, the depth to bedrock in the area of the subject property is approximately 9 to 16 feet below grade.

According to the Michigan Geological Survey Division's publication, *Quaternary Geology of Southern Michigan* (1982), soils in the area are lacustrine clay and silt. These soils are described as gray to dark reddish brown and are varved in some localities. The soil chiefly underlies extensive, flat, low-lying areas formerly inundated by glacial Great Lakes. Soil thickness ranges from 10 to 30 feet. Typically, lacustrine clay and silt are associated with low hydraulic permeability and restrict the movement of groundwater.

According to the United State Department of Agriculture's (USDA's) *Soil Survey of Monroe County, Michigan* (1981), soils in the area are classified as the Lenawee ponded association. These soils are described as "*nearly level, very poorly drained, silty soils; on lake plains.*" As indicated on Photo Sheet 57 of the soil survey, subject property soils are described as belonging to the Urban Land complex (in the area of the former paper mill) and Lenawee silty clay loan (the eastern portion of the subject property). The Lenawee silty clay loan consists of nearly

level, poorly drained soils in flat areas and drainageways. Lenawee soils formed in loamy and clayey lacustrine deposits.

Previous investigations on surrounding properties indicated that native soils consist of silty clay to a depth of 9 to 16 feet below grade, where limestone bedrock was encountered. In addition, Parcel C consists of a several inches to feet of coal ash underlain by native silty clay.

4.2 STANDARD ENVIRONMENTAL RECORD SOURCES

AKT Peerless retained EDR to provide current environmental database information compiled by a variety of federal and state regulatory agencies. The purpose of obtaining this data was to evaluate potential environmental risks associated with the subject property, adjoining sites, and other sites that are (1) identified on target lists, and (2) within varying distances of up to one mile from the subject property. AKT Peerless reviewed the following federal and state databases for such listings within the indicated search radii.

| Type | Regulatory Agency Database | Approximate Minimum Search Distance |
|----------------|---|---|
| Federal | National Priority List (NPL) | 1 mile |
| Federal | De-listed National Priority List (DNPL) | ½ mile |
| Federal | Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS) | ½ mile |
| Federal | CERCLIS No Further Remediation Action Planned (NFRAP) Site List | ½ mile |
| Federal | Resource Conservation and Recovery Act (RCRA) Corrective Action Report (CORRACTS) Facilities List | 1 mile |
| Federal | RCRA non-CORRACTS Treatment, Storage or Disposal (TSD) Facilities List | ½ mile |
| Federal | RCRA Generators List | subject property and adjoining properties |
| Federal | Institutional Control / Engineering Control Registries* | subject property |
| Federal | Environmental Response and Notification System (ERNS) | subject property |
| State & Tribal | Hazardous Waste Sites (HWS) (equivalents to NPL and CERCLIS) | 1 mile |
| State & Tribal | Solid Waste Facilities/Landfill Sites (SWLF) | ½ mile |
| State & Tribal | Historical Landfill Site (HIST LF) | ½ mile |
| State & Tribal | Leaking Underground Storage Tank (LUST) List | ½ mile |
| State & Tribal | Registered Underground Storage Tank (UST) List | subject property and adjoining properties |
| State & Tribal | Institutional Control / Engineering Control Registries* | subject property |
| State & | Brownfield Sites | ½ mile |

| Type | Regulatory Agency Database | Approximate Minimum Search Distance |
|--------|--|-------------------------------------|
| Tribal | | |
| State | Baseline Environmental Assessment (BEA) Sites | ½ mile |
| Either | Unmappable Database Listings (a.k.a. Orphan Sites) | database-dependent |

* Neither the US EPA nor Michigan Tribal Governments nor the State of Michigan maintains registries of sites with Institutional Controls / Engineering Controls in the subject property area.

4.2.1 Subject Property and Occupant Listings

The EDR Report (Appendix D) does not identify the subject property or its known occupants on the referenced databases, except for the following:

- Homrich Inc, at NE Corner of the Intersection of Detroit & E. Elm Avenues (associated with Parcel C), is listed on the Solid Waste Facilities database. According to the EDR Report, this property is identified as a Type III Industrial Waste Landfill that is in the process of closing. In addition, Homrich Inc is listed on the Financial Assurance 2 database. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay. According to the listing, closure funds are available in a Trust Fund and a Letter of Credit. Refer to Sections 4.4.1 and 4.4.5 for further information.

In addition, the following databases are associated with the former paper mill property (formerly encompassed the subject property); however, the database listings are actually associated with current adjoining and/or nearby properties.

- Jefferson Smurttiff Corp, at 1205 East Elm Avenue (western nearby property), was identified on the LUST database. One release of an unknown substance was confirmed on December 12, 1989 (C-1115-89). A second release of an unknown substance was confirmed on September 18, 1991 (C-1930-91). Refer to Section 4.3.2 for additional information related to these releases.
- Former Jefferson Smurfit Property at 1205 East Elm Street (western nearby property) is listed on the BEA database. According to the listing, Homrich, Inc. submitted a Category N BEA on January 30, 1998. The BEA was affirmed. Refer to Section 4.4.5 for additional information.
- Port of Monroe, at 1205 E. Elm Ave. (western nearby property), is listed on the RCRA Conditionally Exempt Small Quantity Generator (CESQG). CESQG are generators that generate less than 100 kilograms of hazardous waste per month. Refer to Section 4.3.1 for additional information related to this listing.
- Jefferson Smurfit Corp, at 1205 East Elm Avenue (western nearby property), is listed on the Brownfield database; however, no further information was provided.
- Monroe Paper Company, at 1205 East Elm (western nearby property), is listed on the BEA database. According to the listing, the Port of Monroe submitted a Category N BEA on

September 26, 2006. A determination was not requested. Refer to Section 4.4.5 for additional information.

- Jefferson Smurfit Corp, at 1220 East Elm Avenue (western nearby property), is identified on the RCRA-NonGen database, FINDS, and AST databases.
 - The RCRA-NonGen database identifies sites that no longer generate hazardous wastes. According to the EDR Report, this site was identified as a RCRA Small Quantity Generator (SQG) in 2003 (generated between 100 and 1,000 kilograms of hazardous waste per month) and as a Large Quantity Generator (LQG) in 1998 (generated more than 1,000 kilograms of hazardous waste per month) in 1998. No RCRA violations were reported for this site. Jefferson Smurfit Corp is also identified on the federal FINDS database (RCRA, National Compliance Data Base, and Toxics Release Inventory System). Refer to Section 4.3.1 for further information.
 - The AST database includes sites that had registered aboveground storage tanks. According to the EDR Report, a propane AST was formerly located at the property.
- Union Camp Corporation, at 1109 E. Elm Avenue (western nearby properties), is listed as a RCRA Treatment, Storage, and Disposal Facility (TSDF), CORRACTS, RCRA-NonGen, FINDS, and UST site.
 - The RCRA-TSDF list includes sites where a hazardous waste substance is treated, stored, or disposed. According to the listing, the site does not presently generate, treat, store, or dispose of hazardous waste. Refer to Section 4.3.1 for additional information related to this listing.
 - The CORRACTS list identifies handlers with RCRA corrective action activity. This report shows which nationally-defined corrective action core events have occurred for every handler that has had corrective action activity. According to the listing, the site was assigned a medium corrective action priority in 1992. In 2006, supplemental information related to remediation services was received and deemed satisfactory. Refer to Section 4.3.1 for additional information.
 - According to the EDR Report, this site was formerly identified as a RCRA-SQG in 1995. Two RCRA violations were reported for this site. Union Camp Corporation is also identified on the federal FINDS database (RCRA).
 - The UST database includes facilities that have, or have had, registered UST systems. According to the EDR Report, this site is identified as the owner of a 1,000-gallon kerosene UST that was installed in 1956 and was removed in 1999, two 30,000-gallon fuel oil USTs that were installed in 1971 and were removed in 2008, an 8,000-gallon lacquer UST that was installed in 1971 and was removed in 2000, an 8,000-gallon #2 fuel oil UST that was installed in 1956 and removed in 2000, and an 8,000-gallon fuel oil UST with an unknown installation date that was removed in 2007. Refer to Section 4.3.2 for additional information related to the referenced USTs.

4.2.2 Adjoining and Nearby Sites

AKT Peerless' review of the referenced databases (including those on the orphan list) also considered the potential or likelihood of contamination from adjoining and nearby sites. To evaluate which of the adjoining and nearby sites identified in the EDR Report present an

environmental risk to the subject property, AKT Peerless considered the following criteria:

- the type of database on which the site is identified.
- the topographic position of the identified site relative to the subject property.
- the direction and distance of the identified site from the subject property.
- local soil conditions in the subject property area.
- the known or inferred groundwater flow direction in the subject property area.
- the status of the respective regulatory agency-required investigation(s) of the identified site, if any.
- surface and subsurface obstructions and diversions (e.g., buildings, roads, sewer systems, utility service lines, rivers, lakes, and ditches) located between the identified site and the subject property.

Only those sites that are judged to present a potential environmental risk to the subject property are further evaluated by reviewing MDEQ file information. Using the referenced criteria, and based upon a review of readily available information contained within the EDR Report, AKT Peerless did not identify adjoining (i.e., bordering) or nearby sites (e.g., properties within a ¼-mile radius) listed in the EDR Report that were judged to present a potential environmental risk to the subject property, except for the following:

| Database | | | |
|--|----------------------|---|-----------|
| Database(s): | UST, Brownfields | Distance: | adjoining |
| Name: | Riverfront Marina | Direction: | south |
| Address: | 1560 East Elm Avenue | Elevation: | 575 feet |
| Section References: | none | Known/Inferred Groundwater Flow Direction: | southeast |
| <p>This site adjoins Parcel D to the south and is identified as the owner of an 8,000-gallon gasoline UST that was installed in 1983 and is currently in use. The site is also identified on the federal Brownfields database and is listed as “closed”. No further information pertaining to this database listing was provided in the EDR Report. In AKT Peerless’ opinion, this property does not appear to present an environmental concern to the subject property based on (1) no release associated with the UST has been reported and (2) the site is located down gradient from the subject property.</p> | | | |

| Database | | | |
|--|---|---|-----------|
| Database(s): | BEA | Distance: | adjoining |
| Name: | Vacant Parcel | Direction: | west |
| Addresses: | 1407 East Elm Avenue | Elevation: | 579 feet |
| Section References: | Refer to Section 4.3.2 for further information. | Known/Inferred Groundwater Flow Direction: | southeast |
| <p>This property adjoins Parcel C to the west and is identified on the State BEA database. According to the EDR Report, a Category N BEA (no hazardous substance) was disclosed to the MDEQ in May 2010.</p> | | | |

4.3 ENVIRONMENTAL RECORD SOURCES

4.3.1 MDEQ Resource Management Division (RMD) Records

Parcel C

AKT Peerless referenced the RMD WDS for information regarding Parcel C. The WDS tracks activities at facilities regulated by the Solid Waste, Scrap Tire, Hazardous Waste, and Liquid Industrial Waste programs. The WDS maintains a listing for Homrich Inc, at NE Corner of the Intersection of Detroit & E. Elm Avenues (MI0000254128). This listing is associated with the regulated landfill part of Parcel C's parent parcel, which is considered an adjoining property. According to the WDS, 26 Compliance Evaluations were conducted between 1998 and 2011. Eight of those evaluations resulted in 10 violations from 1998 through 2007, all of which have achieved a compliant status.

AKT Peerless contacted the MDEQ RMD to review available records regarding waste management activities, permits, inspections, violations, and registered USTs associated with Parcel C. AKT Peerless reviewed numerous correspondence and previous environmental reports associated with the entire parent parcel and former land filling activities. Refer to Section 4.4.5 for a summary of these previous environmental investigations.

AKT Peerless reviewed the MDEQ STID for information related to Parcel C; however Parcel C was not identified on the STID.

Parcels D, E, and F

AKT Peerless referenced the RMD WDS for information regarding Parcels D, E, and F; however, these parcels were not identified in the WDS database.

AKT Peerless contacted the MDEQ RMD to review available records regarding waste management activities, permits, inspections, violations, and registered USTs associated with D, E, and F; however, the MDEQ RMD did not identify records for these parcels.

AKT Peerless reviewed the MDEQ STID for information related to Parcels D, E, and F; however Parcels D, E, and F were not identified on the STID.

4.3.2 MDEQ Remediation Division (RD) Records

AKT Peerless reviewed the MDEQ RD's Perfected Lien List to determine if environmental cleanup liens had been filed against the subject property. According to the most recent list that was published on June 13, 2011, the MDEQ does not have record of environmental cleanup liens filed against the subject property.

AKT Peerless contacted the MDEQ RD Jackson Michigan District Office to review available records regarding environmental information or leaking USTs associated with the subject property. According to the MDEQ RD Jackson District Office, records were not identified for the subject property.

1205, 1220, and 1109 East Elm – Western Nearby Property (Former Paper Mill Property)

AKT Peerless contacted the MDEQ RD Jackson Michigan District Office to review available records regarding environmental information or leaking USTs associated with the former paper mill property. The following information pertains to the former USTs registered to addresses formerly associated with this former operation, all which were located on the current western nearby property, beyond Detroit Avenue:

Tank ID 2 and 3: two 30,000-gallon fuel oil USTs

Two 30,000 gallon fuel oil USTs were formerly located northwest of the power house building. The USTs were closed in place in 1995 by Quality Environmental Professionals, Inc. (QEPI). The residual fuel oil was removed, the USTs were power washed, and filled with sand.

In February 2008, Kessler Environmental Excavating (Kessler), under the supervision of Soil and Materials Engineers, Inc. (SME) and AKT Peerless, began the UST removal activities by uncovering the USTs. Upon excavation of the two 30,000 gallon fuel oil USTs, it was confirmed that the UST bodies were filled with sand. To confirm proper closure, the sand was sampled and analyzed for volatile organic compounds (VOCs) and poly-nuclear aromatic hydrocarbons (PNAs). Results indicated no VOCs or PNAs were detected. Samples were also collected from the excavated soils around the USTs. The laboratory analytical results indicated the stockpiled soil was suitable for use as backfill in the excavation area.

The USTs were constructed of steel and observed to be in average condition. The USTs were removed from the excavation, cut into manageable sections, and removed from the subject property for salvage.

SME collected eight wall and three floor soil verification samples from the excavation in accordance with MDEQ's "Sampling Strategies and Statistics Training Materials for Part 201 Cleanup Criteria" publication dated August 2002. Laboratory analytical results of the verification samples did not indicate the presence of VOCs or PNAs in excess of applicable MDEQ criteria.

Tank ID 5: 1,000-gallon kerosene UST

A 1,000-gallon kerosene UST was located in the east courtyard, south of Building 43. Kerosene from this UST was reportedly utilized for cleaning process equipment. This UST was closed in place in 1995 by QEPI. Reportedly, residual kerosene was removed, the UST was power washed, and filled with cement slurry.

In December 2007, Kessler, under the supervision of SME and AKT Peerless, began the UST removal activities by uncovering the UST to provide access to pump and dispose of the contents. Approximately 1,000 gallons of liquid waste was pumped from the 1,000-gallon kerosene UST and was manifested and disposed off-site by Kessler.

In March 2008, soil from the UST excavation was stockpiled in the immediate area and returned to the excavation following the removal of the UST. The UST was constructed of steel and

observed to be in average condition. The UST was removed from the excavation, cut into manageable sections, and removed from the subject property for salvage.

SME collected four wall and two floor soil verification samples from the excavation in accordance with MDEQ's "Sampling Strategies and Statistics Training Materials for Part 201 Cleanup Criteria" publication dated August 2002. Samples were collected for analysis of VOCs and PNAs. Laboratory analytical results of the verification samples did not indicate the presence of VOCs or PNAs in excess of applicable MDEQ Cleanup Criteria.

Tank ID 6: 8,000-gallon lacquer UST

An 8,000-gallon lacquer UST was formerly located near the southeast corner of Building 52 to supply lacquer to the Paper Box Factory. The UST was removed in 1995 under the direction of QEPI. The UST was emptied, excavated, and disposed as scrap. Soil samples collected from the excavation showed no indication of a release. Groundwater was not present in the excavation.

Prior to removal of the UST, QEPI advanced three soil borings in the vicinity of the UST and collected soil samples for analysis of VOCs and SVOCs. In addition, QEPI collected two soil samples from the floor of the excavation at the time the UST was removed that were analyzed for TPH as gasoline, diesel, kerosene, and motor oil. Analysis of soil boring and floor samples did not reveal evidence of impact above MDEQ Generic Residential Cleanup Criteria (GRCC).

Tank ID 7: 8,000-gallon fuel oil UST

An 8,000-gallon steel fuel oil UST was formerly located on the west side of the Power House building. Fuel oil was transferred to this tank from the two nearby 30,000-gallon USTs. The Monroe Paper Company reported a release from the UST to the Michigan Department of Natural Resources in December 1989 after fuel oil odors were reported in the adjoining building. In January 1990, the UST was reportedly emptied and was disconnected from the 30,000-gallon USTs.

QEPI was retained to close the UST in 1995. The UST was cleaned, removed from the ground, and disposed as scrap. Field observations reported that the UST was in good condition at the time of removal, with no visible holes or pits noted. Surface soils were reported stained as was a narrow seam of soil in the bottom of the south wall of the excavation. Additional soil was excavated until the excavation was blocked by a railroad spur west of the UST. Groundwater was not encountered in the excavation.

QEPI and its predecessor company, FRP Environmental, conducted soil and groundwater investigations near this UST between August 1994 and March 1996. Soil samples were collected from 11 soil borings advanced prior to the closure of the UST and groundwater samples were collected from monitoring wells installed after closure. Additional groundwater samples were collected from monitoring wells near the UST by Haley & Aldreich in 2002 and SME in 2004.

Soil samples from the eight borings advanced by FRP/QEPI indicated levels of ethylbenzene, xylenes, flouranthene, flourene, naphthalene, and phenanthrene were above MDEQ Generic

Groundwater to Surface Water Interface Protection (GSIP) criteria. Benzene and acenaphthylene were noted in soil above MDEQ Residential Drinking Water Protection (DWP) criteria. All exceedences were noted in soil at depths ranging from 8 to 12 feet below ground surface.

Two bedrock monitoring wells were installed in the vicinity of this UST. Groundwater samples collected from these wells in 1995, 1996, 2002, and 2004 did not identify the presence of VOCs, PNAs, or metals above MDEQ GRCC.

Tank ID 8: 1,000-gallon fuel oil UST

In December 2007, Kessler, under the supervision of SME and AKT Peerless, began the UST removal activities by uncovering the UST to provide access to pump and dispose of the contents. Approximately 1,000 gallons of liquid waste was pumped from the UST and was manifested and disposed off-site by Kessler.

Soil from the UST excavation was stockpiled in the immediate area and returned to the excavation following the removal of the UST. The UST was constructed of steel and observed to be in average condition. The UST was cut into manageable sections, and removed from the subject property for salvage.

SME collected four wall and two floor soil verification samples from the excavation in accordance with MDEQ's "Sampling Strategies and Statistics Training Materials for Part 201 Cleanup Criteria" publication dated August 2002. Samples were collected for analysis of VOCs and PNAs. Laboratory analytical results of the verification samples did not indicate the presence of VOCs or PNAs in excess of applicable MDEQ Cleanup Criteria.

Based on the above information these former USTs do not present an environmental concern to the subject property.

AKT Peerless also reviewed numerous previous environmental reports associated with the former paper mill property (formerly encompassed a portion of the subject property) at the MDEQ RD district office. Refer to Section 4.4.5 for a summary of these previous environmental investigations.

1407 East Elm Avenue – Western Adjoining Property

AKT Peerless contacted the MDEQ RD Jackson District Office to review available records regarding environmental information or leaking USTs associated with this western adjoining property, beyond Detroit Avenue. According to records reviewed, Legacy Environmental Inc. (Legacy) conducted a Phase I ESA in 2008. Legacy identified the following REC:

- Approximately one-quarter to one-third of the parcel is covered with fill consisting of re-worked clay soils, sandy soils, large pieces of concrete (up to 8-inches in thickness), asphalt chunks, cinder, brick, a few intact and crushed 55-gallon drums, one-gallon paint cans, and miscellaneous demolition debris such as roofing shingles, conduit, drain pipe, and drain tile. In addition, concentrations of petroleum constituents (naphthalene, flouranthene, and phenanthrene) were detected in a soil sample collected two feet below ground surface on the

subject parcel in 2002 exceeding the MDEQ GRCC Criteria for Groundwater to Surface Water Interface Protection Criteria.

Legacy conducted a Limited Phase I Environmental Site Investigation to address the REC identified in their Phase I ESA. Legacy advanced nine soil borings and collected soils samples for analysis of PNAs, PCBs, metals (including arsenic, aluminum, barium, iron, cadmium, chromium, cobalt, copper, lead magnesium, manganese, mercury, nickel, potassium, selenium, silver, and zinc), pesticides/herbicides, ammonia-N, and sulfates. Legacy identified concentrations of arsenic, aluminum, cobalt, manganese, mercury, selenium, and silver in soil exceeding MDEQ GRCC. Based on this information, a Category N BEA was submitted to the MDEQ in 2010.

In AKT Peerless' opinion, this western adjoining property, beyond Detroit Avenue, does not appear to present an environmental concern to the subject property based on (1) contamination does not appear to be migrating towards the subject property, (2) impact was identified in shallow fill material, and (3) AKT Peerless did not observe improper waste handling or storage practices at this adjoining property during the reconnaissance.

4.4 ADDITIONAL ENVIRONMENTAL RECORD SOURCES

4.4.1 Local Health Department

According to the Monroe County Health Department, records were not identified for Parcels D, E, and F. The Monroe County Health Department maintained a large file for the Type III Industrial Landfill located in the central portion of Parcel C's parent parcel (considered an adjoining property). The records were similar to that maintained by the MDEQ RMD. Refer to Section 4.4.5 for a summary of the reviewed records.

4.4.2 Local Fire Department

According to the Monroe Fire Department, records were not identified for the subject property.

4.4.3 Water & Sewage Utility Provider

Municipal water and sewerage services are available to the subject property; however, are currently not connected. According to Sanborn maps, municipal water has been available to the subject property area since at least 1922. The City of Monroe Public Works Department's sanitary waste is ultimately received for processing by the City of Monroe Wastewater Department.

4.4.4 Natural Gas Provider

Natural gas service is available to the subject property by Michigan Gas Utilities; however, is currently not connected.

4.4.5 Previous Environmental Reports

Parcel C

AKT Peerless reviewed numerous previous environmental reports as part of this assessment, a majority of which encompass the entire parcel (considered adjoining properties) and do not

pertain to Parcel C. However, because the subject property is a portion of the larger former landfill property, the reports were reviewed to evaluate if environmental investigations were conducted on the subject property.

The following are the most recent environmental investigations conducted at the parent parcel:

- SME's Report of Landfill Delineation Activities, dated July 22, 2004
- SME's Due Care Evaluation Summary Report, dated October 14, 2005
- SME's Landfill Closure Addenda - Leachate Sampling Summary Report, dated October 14, 2005
- SME's Landfill Closure Certification Report, dated December 3, 2010
- NTH Consultants, Ltd. (NTH) Hydrogeological Monitoring Report, 4th Quarter, 2010 (most current)

Based on AKT Peerless' review of previous environmental reports, Parcel C and its parent parcel were used by Jefferson Smurfit and predecessors for disposal of coal combustion ash and cinders and pulper wastes from the East Mill site. Coal combustion residues from the Power House were historically placed on the parcel to depths of two to four feet bgs. These activities were conducted much, if not all, of the period from 1918 until the landfill portion of the parcel was first licensed in 1974. Ash was historically transported from the Power House to the parcel by truck. Later an ash sluicing system was installed to move slurried ash to the disposal area. The slurry (ash and fresh process water) was pumped via pipeline to settling ponds on Parcel C, where it was dewatered. The slurry water was decanted through the wetland areas along Mason Run and the ash was moved to the licensed waste disposal area. The first license for the landfill was issued to Union Camp Corporation in 1974 under Michigan Act 87 and was continuously licensed under Act 87, Act 641 and Part 115 of NREPA through 1995. The Part 115 regulated landfill accepted pulper wastes. Homrich acquired the property in 1997 after the last license had expired. A Restrictive Covenant was filed for the regulated landfill area on May 2, 2007. The regulated landfill area is not part of Parcel C and is considered an adjoining property.

Regulatory Landfill Closure Activities

Since acquiring the property in 1997, Homrich has sought closure of the landfill. Four groundwater monitoring wells were installed on the parent parcel and two were installed on the western adjoining property, beyond Detroit Avenue, in the 1980s to monitor potential impact stemming from the landfill. A Hydrogeological Monitoring Plan was established in 1996. Quarterly groundwater monitoring of these wells has occurred since that time to fulfill the requirements of the Plan and Part 115 of P.A. 451. NTH currently conducts the quarterly sampling events. NTH's most recent sampling event on file at the MDEQ was the Fourth Quarter 2010. NTH sampled five of the six wells (one was frozen) for analysis of the designated parameters including, arsenic, calcium, magnesium, manganese, sodium, zinc, ammonia, nitrate/nitrite, total inorganic nitrogen, sulfates, phosphorus, total dissolved solids, phenols, total organic carbon, chemical oxygen demand, temperature, specific conductance, and pH. Statistical methods were applied to the groundwater monitoring data. The statistical evaluation indicated the reported concentrations of each parameter were within the statistical limit at each monitoring

well, with the exception of dissolved manganese at one location. NTH attributed this increase to natural variability in groundwater chemistry and not from the landfill.

In 2002 and 2003, the waste materials at the parcel were re-graded and relocated to the current regulated landfill area. In 2004, SME conducted additional landfill delineation activities to verify the defined extent of industrial fill, determine the elevation of the top of the native clay layer beneath the industrial fill area, and verify the existence of at least two feet of native clay beneath the industrial fill area. As part of these activities, SME excavated 28 test pits and advanced 28 soil borings around the perimeters of and through the industrial fill area. The limit of pulper waste was adjusted based on the previously defined area by Homrich.

In 2005, SME installed three temporary monitor wells inside the regulated landfill area to conduct leachate testing to be used to evaluate chemical constituents for inclusion/exclusion from the post-closure bedrock Hydrogeologic Monitoring Plan. Result of the testing identified cyanide, sulfate, and several metals above the MDEQ Type B Cleanup Criteria.

Homrich, SME and the MDEQ have been working together to close the landfill. In September 2008, the landfill surface was cleared and grubbed of surface vegetation. Clay for capping activities was obtained in 2008 from Homrich Matlin Road Facility located in Carleton, Michigan. The clay was generated from facility expansion activities. A second clay capping source was Sylvania Minerals in Flat Rock, Michigan. These soils were obtained in 2009. A total of 30,700 cubic yards of soil were brought onsite from these two locations. Following the installation of the clay cap, the surface of the clay was covered with a protective vegetative growth layer. Around the perimeter of the landfill, shallow swales were constructed to collect sheet flow from the landfill, which are directed to the adjoining wetlands.

A Landfill Closure Certification Report was submitted to the MDEQ for approval in December 2010. The closure system was performed in accordance with the Homrich Landfill Closure Plan prepared by SME and Haley & Aldrich, dated October 26, 2007, and Addendum 4, prepared by SME, dated September 30, 2010, and approved by MDEQ in a response letter, dated October 6, 2010. Homrich is still awaiting comment and/or approval of the closure report from the MDEQ. Once the landfill is closed by the MDEQ, the 30-year post closure period will begin. During this period, the groundwater monitor wells installed throughout the parent parcel and western adjoining property will need to be sampled on a semi-annual basis.

Due Care Response Activities

In February 2005, in accordance with the “Due Care Assessment Plan” submitted and approved by the MDEQ, SME conducted a due care evaluation of the surficial coal ash located on the remainder of the parent parcel outside the boundaries of the regulated landfill area. SME advanced 14 soil borings throughout the parent parcel to a depth of approximately four feet bgs. Coal ash extended from the ground surface to approximately two to four feet bgs. Nine of the soil borings were advanced on Parcel C. SME submitted 14 soil samples for laboratory analysis of PNAs and arsenic. Results of the analysis identified arsenic in seven of the 14 soils samples above MDEQ Non-Residential Direct Contact Cleanup Criteria, three of which were on Parcel

C. PNAs were detected above method detection limits; however, were below MDEQ Cleanup Criteria.

Homrich placed a 6-12" fill cover across the parcel to address the arsenic impact and to provide erosion control for the adjoining landfill area. According to Homrich, the fill material was generated as part of expansion activities at Homrich Matlin Road Facility; however, Homrich did not have laboratory analytical data for the fill material. Therefore, AKT Peerless collected eight soil samples from this fill material throughout the parent parcel in July 2011 for analysis of VOCs, PNAs, and Michigan Metals. Results of the analysis indicated metals and a PNA were detected in several soil samples above the MDEQ GRCC for DWP and GSIP.

Former Paper Mill Property

AKT Peerless reviewed the following reports as part of this assessment, a majority of which encompass the entire former paper mill property (current western nearby properties) and do not pertain to the subject property. However, because the subject property was once a portion of the larger former paper mill property, the reports were reviewed to evaluate if environmental investigations were conducted on the subject property or on the remaining paper mill property.

- PRC Environmental Management, Inc.'s (PRC) Preliminary Assessment/Visual Site Inspection of the Monroe Paper Company, dated November 25, 1992
- Various Site Investigation Reports from 1992 through 1994 prepared by Huff & Huff, Inc. regarding the removal and remediation of a waste oil collection sump and 500-gallon hydraulic oil UST located at the northwestern corner of Dixie Highway and East Elm Avenue (southwestern nearby property).
- Techna Corporation's (Techna) Baseline Environmental Assessment, dated January 27, 1998
- AKT Peerless' Phase I ESA, dated July 30, 2001
- AKT Peerless' Residential Remedial Action Plan, dated April 9, 2002
- SME's Environmental Conditions Report, dated June 15, 2005
 - Also included in the Environmental Conditions Report was a summary of a three Bedrock Hydrogeological Studies that were conducted at the subject property in 1995-1997 (QEPI), 2002 (Haley & Aldrich), and 2005 (SME).
- USEPA No Further Interest Determination Letter, dated May 3, 2006
- SME's DRAFT Due Care Plan, dated May 11, 2006
- SME's Technical Memorandum – April 2006 Environmental Assessment, dated June 19, 2006
- AKT Peerless' Closeout Report for Demolition of Powerhouse and Abatement of Asbestos Materials From Fibre Building and Documentation of Due Care Activities, dated November 2009
- AKT Peerless' Closeout Report for Demolition of East/West Building and Documentation of Due Care Activities, dated November 2009

- AKT Peerless' Closeout Report for Environmental Abatement and Demolition of Mills 3 & 4, Removal of PCB Transformers and USTs and Waste Trench Evaluation and Documentation of Due Care Activities, dated November 2009
- AKT Peerless' Closeout Report for Demolition of Mill 5, Building 43, Mason Run Drain, Fibre Building Slab and Documentation of Due Care Activities, dated November 2009
- AKT Peerless' Limited Subsurface Investigation, dated November 30, 2009
- AKT Peerless' Section 7a Compliance Analysis, dated November 30, 2009
- AKT Peerless' Category N Baseline Environmental Assessment, dated October 4, 2010

Based on AKT Peerless' review of these previous environmental reports, the subject property was formerly part of the much larger East Mill site. The majority of these previous environmental investigations were conducted on the portion of the mill property at the northeast and northwest corners of East Elm Avenue and Dixie Highway (western nearby properties). Based on a review of these investigations, the western nearby properties (formerly part of the West and East Mill sites), do not appear to present an environmental concerns to the subject property.

The following assessment encompassed and/or pertained to Parcel C of the subject property:

PRC's 1992 Preliminary Assessment/Visual Site Inspection

This assessment was conducted to prioritize RCRA sites for corrective action based on the solid waste management units (SWMU) and areas of concern (AOC). The assessment was conducted for the entire mill property. PRC identified six SWMUs and four AOCs at the mill property. The AOCs were associated with USTs on the southern mill property, beyond Mason Run (See Section 4.3.2). The following SWMU was identified at the subject property:

- Parcel C: (SWMU 6) An onsite landfill area used for disposal of non hazardous coal boiler ash and dewatered pulper waste.

This SWMU did not require submittal of a RCRA Part A or Part B permit applications. A former container storage area (SWMU 5) on the property to the west, beyond Detroit Avenue and south of Mason Run, did require a permit. However, the USEPA, in consultation with the MDEQ, agreed to not pursue further corrective action at the mill property if the City of Monroe and the Port of Monroe completed certain requirements, which were fulfilled and documented with the MDEQ and USEPA. These activities included demolishing the former mill buildings and placing a soil cover over the entire area (western nearby property) to prevent contact with residual soil and groundwater impact that may exist at the site. Based on the completion of these items, and a No Further Corrective Action letter from the USEPA, AKT Peerless does not consider the listing of the site on the RCRA database to represent a recognized environmental condition.

Refer to Appendix G for select previous environmental reports and associated documentation.

4.5 HISTORICAL USE INFORMATION

The objective of reviewing historical sources is to: (1) develop a history of previous uses or specific occupancies of the subject property, (2) identify those uses or specific occupancies that are likely to have led to potential environmental concerns at the subject property, and to the extent identifiable, at adjoining properties, and (3) identify obvious uses of the subject property from the present, back to the property's *obvious* first developed use, or back to 1940, whichever is earlier.

Historical Summary – Subject Property

Based on a review of available sources, the subject property was historically part of a larger 350-acre parcel known as the East Mill site. Part of the East Mill property occupies land that is the site of the Frenchtown settlement, founded in 1787. By 1812, as the United States moved toward war with Britain, Frenchtown became a strategic outpost. The first and second battles of the River Raisin, and the subsequent massacre of over 60 American prisoners, occurred on January 18, 22, and 23, 1813 in the area of the subject property. Over 400 American soldiers were killed in these battles. Frenchtown, which was abandoned during the War of 1812, began to be resettled in 1816 further west along the river. The new settlement grew into the City of Monroe and was named the county seat of Monroe County, Michigan Territory in 1817. The area of the subject property became agricultural land after the War of 1812. Between 1850 and 1915, the subject property was part of the Michigan Nursery Company operated by Isreal Epley Ilgenfritz.

Mr. Ilgenfritz conveyed a portion of his land holdings to the River Raisin Paper Company in the early 20th Century. The River Raisin Paper Company built the first mill (West Mill) on the northwest corner of Dixie Highway and Elm Street in 1915. Between 1918 and 1920, the East Mill was constructed on the property at the northeast corner of Dixie Highway and East Elm and south of Mason Run. Expansions of this property (considered a western nearby property) occurred in the 1920s.

The Union Camp Corporation purchased the River Raisin Paper Company in 1960. The subject property was operated by Union Camp until the mid-1980's, when it sold the company to the Monroe Paper Company, a partnership of the Jefferson Smurfit Corporation and an individual, Bob Mitchell. Jefferson Smurfit acquired full ownership of the subject property in 1991.

The East Mill operated until 1995. The vacant East Mill and adjoining properties were sold to Homrich, Inc. in 1997. The mill buildings were generally unused after 1995. The Mill 5 buildings deteriorated significantly and were demolished to grade by Homrich in 2002. A fire destroyed most of the remaining East Mill structures in April 2004. Subsequent to the fire, Homrich demolished the damaged structures to grade in 2004.

Paper manufacturing activities did not occur on the subject property. Parcel C and its parent parcel were used by Jefferson Smurfit and predecessors for disposal of coal combustion ash and cinders and pulper wastes from the East Mill site. Coal combustion residues from the Power House were historically placed on Parcel C to depths of two to four feet bgs. These activities were conducted much, if not all, of the period from 1918 until the landfill portion of the parcel (does not include the subject property) was first licensed in 1974. Ash was historically

transported from the Power House to the parcel by truck. Later an ash sluicing system was installed on Parcel C to move slurried ash to the disposal area. The slurry (ash and fresh process water) was pumped via pipeline to settling ponds on Parcel C, where it was dewatered. The slurry water was decanted through the wetland areas along Mason Run and the ash was moved to the licensed waste disposal area.

The first license for the landfill was issued to Union Camp Corporation in 1974 under Michigan Act 87 and was continuously licensed under Act 87, Act 641 and Part 115 of NREPA through 1995. Homrich acquired the property in 1997 after the last license had expired. Since that time, closure of the regulated landfill has been sought and is currently pending.

Based on a review of historical documents and environmental assessments, a coal ash layer is present on the Parcel C, beneath the fill cap. Regulated materials have been defined to the Type III industrial waste landfill area (considered an adjoining property).

Parcels D, E, and F have consisted of undeveloped wooded/marshy areas since at least 1937. Paper mill operations did not appear to occur on these parcels. A paved walkway area was constructed on Parcel F when I-75 (eastern adjoining property) was constructed between 1949 and 1955. The walkway extends in an east-west direction and connects properties east and west of I-75. This walkway was later converted into The River Raisin Heritage Trail. With the exception of the trail, the subject property is currently unused for a significant or obvious purpose.

Historical Summary – Adjoining Properties

Northwest

The northwestern adjoining property, beyond Detroit Avenue (281 Detroit Avenue), consisted of unimproved land from at least 1937 until between 1940 and 1949, when a structure associated with the surrounding residential development was constructed. The structure was removed between 1955 and 1964. By 1973, the current UAW Local 723 building was constructed.

North

The northern adjoining properties, beyond Mason Run, have consisted of unimproved land since at least 1937.

East

The eastern adjoining property consisted of unimproved land from at least 1937 until between 1949 and 1955, when Interstate 75 was constructed. The property beyond Interstate 75 has remained unimproved land.

South (from west to east)

The remaining portion of Parcel C's parent parcel is considered a southern adjoining property to Parcel C and a western adjoining property to Parcels D, E, and F. This parcel of land has consisted of unimproved land from at least 1937 until a residential dwelling/farm was constructed on the northwestern portion of the parcel in 1850 and 1925, respectively. The buildings were later demolished in 1957. In addition, this parcel was used by Jefferson Smurfit

and predecessors for disposal of coal combustion ash and cinders and pulper wastes from the East Mill site. Coal combustion residues from the Power House were historically placed on the upland portion (western and southern portions of the parcel) to depths of two to four feet bgs. These activities were conducted much, if not all, of the period from 1918 until the landfill portion of the parcel was first licensed in 1974. The first license for the landfill was issued to Union Camp Corporation in 1974 under Michigan Act 87 and was continuously licensed under Act 87, Act 641 and Part 115 of NREPA through 1995. Homrich acquired the property in 1997 after the last license had expired. The landfill is currently awaiting regulatory closure.

The southern adjoining property, beyond East Elm Avenue, consisted of unimproved land and a waterway from at least 1937 until the early 1960s, when the waterway was filled in. Commercial development began in the 1970s. 1560 East Elm Avenue is occupied by Riverfront Marina, and the eastern most southern adjoining property (on the north side of East Elm Avenue) consists of the Interstate 75 exit ramp.

West

The western adjoining property, beyond Detroit Avenue (1403/1407 East Elm Avenue) was developed with a farm/residential dwellings from at least 1937 until by the 1960s, when a majority of the structures were removed. The western adjoining property is currently occupied by the River Raisin Battlefield Visitor's Center.

4.5.1 Aerial Photographs

AKT Peerless obtained aerial photographs for the subject property from EDR. AKT Peerless' observations noted during the review of these photographs are summarized in the following table. Photocopies of select aerial photographs are presented as Appendix E.

| Photo Dates | Observations (Subject Property) | Potential Environmental Concerns |
|--------------------------------------|--|---|
| 1937 1940 1949 1955 1964 | The subject property consists of unimproved land. Parcels D, E, and F appear to consist of standing water/marshy areas beginning in the early 1950s. Land disturbances/potential filling activities are evident on Parcel C. A paved walkway area was constructed on Parcel F when I-75 (eastern adjoining property) was constructed between 1949 and 1955 | Parcel C: potential filling/land disturbances |
| 1973 1980 1985 | Appears similar to previous photographs; however, a small apparent structure is present on the northwestern portion of Parcel C (only evident on the 1973 aerial). By 1980, apparent ponds are evident on the northern portion of Parcel C. In addition, long berm like structures are evident in this area. | Parcel C: potential filling/land disturbances/ponds |
| 1992 2000 | By 1992, the subject property consists of unimproved wooded/marshy land. Activities no longer appear to be occurring on Parcel C. | none observed |
| 2006 2010 | Appears similar to previous photographs; however, Parcel C appears to have been grubbed of trees and dense vegetation by 2006 and by 2010, an apparent fill cover appears to have been placed on the parcel. | Parcel C: potential fill material cover |

AKT Peerless' review of historical aerial photographs of the adjoining properties is summarized in the following table.

| Photo Dates | Potential Environmental Concerns (Adjoining Properties) |
|--|---|
| 1937 1940 1949 1955 1964 1973 1980 1985 1992 2000 2006 2010 | No obvious evidence or indications of recognized environmental conditions or other potential environmental concerns were noted with respect to the adjoining properties during AKT Peerless' review of the referenced maps, aside from the fact that the adjoining property to the south of Parcel C and west of Parcels D, E, and F (part of Parcel C's parent parcel) was utilized as a landfill. As discussed in Sections 4.3.1 and 4.4.5, this area is a Type III industrial landfill that is currently being closed by the MDEQ. |

4.5.2 Fire Insurance Maps

AKT Peerless' research did not identify historical fire insurance map coverage of the subject property or adjoining properties.

4.5.4 Assessing Department Records

AKT Peerless reviewed tax assessment records on the subject property at the Monroe Assessing Department. The following table summarizes features or items of potential environmental concern, if any, that were noted during the record review.

| Environmental Issue | Comments |
|--|-----------------|
| Storage Tanks | none identified |
| Asbestos-Containing Materials | none identified |
| PCB Materials | none identified |
| On-site Well/Septic System | none identified |
| Disposal Facilities/Fill Material (e.g., lagoons, pits, landfills, etc.) | none identified |

No additional information that could indicate potential environmental concerns at the subject property was found in the records. Copies of information obtained from the Monroe Assessing Department are included in Appendix F.

4.5.5 Building Department Records

AKT Peerless reviewed building records for the subject property at the Monroe Building Department; however, records were not identified for the subject property.

5.0 INTERVIEWS

5.1 INTERVIEW WITH SUBJECT PROPERTY OWNER

AKT Peerless interviewed Mr. Roger Homrich, property owner, regarding knowledge of the subject property. Mr. Homrich purchased the subject property parcels in 1997. According to Mr. Homrich, a Parcel C was once utilized for land filling activities as part of the former paper mill operations; however, only coal ash was disposed on Parcel C. According to Mr. Homrich, environmental assessments were conducted on Parcel C to evaluate due care risks associated with the deposited coal ash (Section 4.4.5). The assessments identified arsenic in surface soil samples across the site above the MDEQ Non-Residential Direct Contact Cleanup Criteria. In response to these findings, Mr. Homrich reportedly placed a 6-12" fill cover across the parcel. According to Mr. Homrich, the fill material was generated as part of expansion activities at his private landfill; however, Mr. Homrich did not have laboratory analytical data for the material (See Section 4.4.5). Parcel C is reportedly unused for a significant or obvious purpose.

According to Mr. Homrich, Parcels D, E, and F have always consisted of vacant unimproved wooded/marsh land, with the exception of the trail on Parcel F. Mr. Homrich was not aware of potential environmental concerns associated with Parcels D, E, and F.

5.2 INTERVIEW WITH KEY SITE MANAGER

See Section 5.1.

5.3 INTERVIEW WITH SUBJECT PROPERTY OCCUPANT(S)

The subject property is currently unoccupied.

5.4 INTERVIEW(S) WITH OTHERS

AKT Peerless interviewed Mr. Lawrence Bean, with the MDEQ RMD Jackson District Office, regarding knowledge of Parcel C. Mr. Bean is currently and has been involved in the closure of the adjoining regulated Type III industrial landfill. According to Mr. Bean, SME's Closure Certification Report that was submitted to the MDEQ in December 2010 is still being reviewed and has not been approved. Mr. Bean indicated that once the landfill is closed by the MDEQ, the 30-year post closure period will begin. During this period, the groundwater monitor wells installed throughout the parent parcel and western adjoining property will need to be sampled on a semi-annual basis.

6.0 SUBJECT PROPERTY RECONNAISSANCE

6.1 METHODOLOGY AND LIMITING CONDITIONS

The subject property reconnaissance consisted of visual and physical observations of the subject property. AKT Peerless visually and/or physically observed the periphery of the subject property. In addition, AKT Peerless observed the subject property from all adjacent public thoroughfares. AKT Peerless viewed the subject property following a grid pattern designed to cover representative portions of the unimproved areas.

Ms. Jessica Cory and Ms. Jennifer Panek of AKT Peerless conducted the subject property reconnaissance on June 28, 2011. Ms. Cory and Ms. Panek were unaccompanied during the reconnaissance. AKT Peerless encountered the following project specific facts or conditions that limited our ability to access the subject property:

- AKT Peerless was unable to visually inspect/access a majority of Parcels D, E, and F due to dense and wooded vegetation and standing water/marshy areas.

6.2 GENERAL SUBJECT PROPERTY SETTING AND OPERATIONS

In general, the subject property area slopes gently to the southeast. AKT Peerless did not observe operations at the subject property.

6.3 OBSERVATIONS

6.3.1 Hazardous Substances and Petroleum Products

AKT Peerless did not observe hazardous substances or petroleum products at the subject property.

6.3.2 Hazardous and Non-Hazardous Waste

AKT Peerless did not observe hazardous or non-hazardous waste at the subject property.

6.3.3 Storage Tanks

AKT Peerless did not observe evidence of current or former UST systems (e.g., vent pipes, fill ports, dispensing pumps, patched pavement, etc.) at the subject property.

AKT Peerless did not observe evidence of current or former AST systems (e.g., stands, secondary containments, etc.) at the subject property.

6.3.4 Unidentified Substances/Containers

AKT Peerless did not observe evidence of unidentified substances or other suspect containers on the subject property.

6.3.5 Potential PCB Containing Equipment

AKT Peerless inspected the subject property for the presence of liquid-cooled electrical units such as transformers and large capacitors. Such units are notable since they may be potential sources of PCBs (polychlorinated biphenyls). AKT Peerless did not observe suspect PCB-containing equipment at the subject property.

6.3.6 Interior Staining / Corrosion

This subsection does not apply since there are no buildings at the subject property.

6.3.7 Drains and Sumps

This subsection does not apply since there are no buildings at the subject property.

6.3.8 Discharge Features

Storm water that falls upon the subject property appears to percolate directly into the ground or runoff into the onsite and/or adjoining marsh areas and Mason Run drain.

6.3.9 Pits, Ponds, and Lagoons

AKT Peerless did not observe pits, ponds, or lagoons, or evidence thereof, at the subject property.

6.3.10 Solid Waste Dumping / Landfills

AKT Peerless did not observe evidence of solid waste dumping or landfills at the subject property.

6.3.11 Stained Soil, Stressed Vegetation, Stressed/Stained Pavement

AKT Peerless did not observe any evidence of stained soil, stressed vegetation, stressed pavement, or stained pavement at the subject property, except for the following:

- Fill material was placed on Parcel C. Vegetation is sparse.

6.3.12 Well and Septic Systems

AKT Peerless did not observe physical evidence or indication of wells or septic systems at the subject property.

6.3.13 Other Observations

AKT Peerless did not observe evidence of other potential environmental concerns at the subject property, except for the following:

| Description | Location | Observed Environmental Concerns |
|--|------------------------------------|--|
| metal and concrete posts (2 to 10" diameter) extending out of ground | throughout Parcel C | According to property owner, these posts are old control lines and grade stakes and landfill delineation stakes; therefore, these posts do not present an environmental concern. |
| concrete rubble | along eastern boundary of Parcel C | Does not present an environmental concern. |

6.4 NON-ASTM SCOPE CONSIDERATIONS

AKT Peerless did not evaluate any other potential environmental conditions (i.e., further areas of possible business/environmental concern and/or liability) that are outside the scope of ASTM Standard Practice E 1527-05. Examples of such potential environmental conditions that were beyond the scope of this Phase I ESA include asbestos-containing materials (ACMs), cultural

and historic resources, ecological resources, endangered species, health and safety, high-voltage power lines, indoor air quality, industrial hygiene, lead-based paints (LBPs), lead in drinking water, moisture intrusion/suspect mold growth, noise pollution, radon, regulatory compliance/non-compliance and/or wetlands.

AKT Peerless advises users of this document who wish to obtain an evaluation of the subject property relative to any of the aforementioned non-ASTM issues to engage the services of a qualified environmental professional.

7.0 CONCLUSIONS AND RECOMMENDATIONS

7.1 RECOGNIZED ENVIRONMENTAL CONDITIONS

We have performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E 1527 of a portion of Parcel No. 059-01900-000 (also referred to as 1405 East Elm Avenue), and Parcel Nos. 059-01900-003, 059-01900-008, and 059-01892-006, Monroe, the property. Any exceptions to, or deletions from, this practice are described in Section 8.0 of this report. This assessment has revealed no evidence of recognized environmental conditions in connection with the property, except for the following:

1. As discussed throughout this report, Parcel C and its parent parcel were used by Jefferson Smurfit and predecessors for disposal of coal combustion ash and cinders and pulper wastes from the East Mill site. Coal combustion residues from the Power House boilers were historically placed on the parcel to depths of two to four feet bgs. These activities were conducted much, if not all, of the period from 1918 until the landfill portion of the parcel (does not include the subject property) was first licensed in 1974. Ash was historically transported from the Power House to the parcel by truck. Later an ash sluicing system was installed on Parcel C to move slurried ash to the disposal area. The slurry (ash and fresh process water) was pumped via pipeline to settling ponds on Parcel C, where it was dewatered. The slurry water was decanted through the wetland areas along Mason Run and the ash was moved to the licensed waste disposal area. Based on a review of historical documents and environmental assessments, although regulated materials have been defined to the Type III industrial waste landfill area (considered an adjoining property), a coal ash layer is present throughout Parcel C.

A subsurface investigation was conducted by SME in 2005 to evaluate the potential threat posed by the surficial coal ash layer to human health. Soil samples collected from this layer identified arsenic above the MDEQ Non-Residential Direct Contact Criteria. Based on laboratory analytical results, Parcel C meets the definition of a *facility*, as defined in Part 201 of the NREPA, Michigan PA 451, 1994, as amended.

2. As discussed in Section 5.1, in response to the identified arsenic above the MDEQ Non-Residential Direct Contact Cleanup Criteria on Parcel C and for erosion control measures associated with the adjoining landfill area, Homrich placed a 6-12" fill cover across the parcel. According to Homrich, the fill material was generated as part of expansion activities at Homrich's private landfill; however, Homrich did not have laboratory analytical data for

the fill material. Therefore in July 2011, AKT Peerless verified the presence and depth of this fill material and collected eight soil samples from the fill material throughout the parcel for analysis of VOCs, PNAs, and Michigan Metals. Results of the analysis indicated metals and a PNA were detected in several soil samples above the MDEQ GRCC for DWP and GSIP. Although impact was detected in the fill material, AKT Peerless notes that ingestion of contaminated groundwater and groundwater venting to surface water at the subject property do not present an unacceptable exposure risk.

3. As discussed throughout this report, a regulated Type III Industrial landfill is located on Parcel C's parent parcel (considered an adjoining property). The landfill formerly accepted coal ash and pulper wastes from the East Mill site. Regulatory closure of the landfill is currently being sought by Homrich. A clay cap has been placed on the landfill and quarterly groundwater monitoring events are being performed. A Landfill Closure Certification Report was submitted to the MDEQ for approval in December 2010. Homrich is still awaiting comment and/or approval of the closure report from the MDEQ. Once the landfill is closed by the MDEQ, the 30-year post closure period will begin

Based on the presence of facility level contamination on Parcel C, AKT Peerless recommends any future owner(s)/operator(s) prepare a Baseline Environmental Assessment (BEA) report.

AKT Peerless also notes that in accordance with Michigan law, local units of government, such as, the Port of Monroe are exempt from Due Care Obligations (Section 20107a(1)(a) to (c) of NREPA, Michigan PA 451, 1994, as amended) provided that the general public is not offered access on a regular or continuous basis or invited to use the property for an express public purpose.

7.2 HISTORICAL RECOGNIZED ENVIRONMENTAL CONDITIONS

AKT Peerless did not identify HRECs in connection with the subject property.

7.3 AREAS OF POTENTIAL CONCERN AND SIGNIFICANT DATA GAPS

AKT Peerless did not identify other areas of potential concern in connection with the subject property during the course of this ESA.

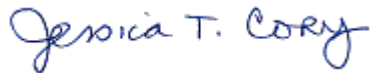
AKT Peerless did not identify or encounter any instances of significant data gaps during the course of this ESA.

8.0 DEVIATIONS

AKT Peerless did not deviate from ASTM Standard Practice E 1527-05 when performing this Phase I ESA (i.e., no components of that practice were deleted, and no additions to it were made).

9.0 SIGNATURES OF ENVIRONMENTAL PROFESSIONALS

We declare that, to the best of our professional knowledge and belief, we meet the definition of Environmental Professional as defined in §312.10 of this part. We have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. We have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

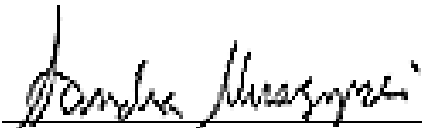


Jessica T. Cory
Project Manager

AKT PEERLESS ENVIRONMENTAL & ENERGY SERVICES

phone: 248-615-1333

fax: 248-615-1334



Sandra Muszynski
Senior Environmental Consultant

AKT PEERLESS ENVIRONMENTAL & ENERGY SERVICES

phone: 248-615-1333

fax: 248-615-1334

QUALIFICATIONS

JESSICA T. CORY

Project Manager
Environmental Compliance and Assessment Services

EDUCATION

Bachelor of Science: Environmental Studies and Applications, 2003
Michigan State University, East Lansing, Michigan

PROFESSIONAL EXPERIENCE

Project Manager
AKT Peerless Environmental Services

Project Scientist
Innovative Environmental Solutions, Inc.

AREA OF EXPERTISE

- (1) Evaluating the potential environmental risk at commercial, industrial, and residential property
- (2) Management of federal environmental grant programs
- (3) Conducting Phase I environmental site assessments (ESAs)
- (4) Conducting Phase II Subsurface Investigations
- (5) Preparing Baseline Environmental Assessments
- (6) Field management and activities coordination
- (7) Coordinating environmental investigations

ADDITIONAL EXPERTISE

- (1) Conducting field operations such as soil, surface water, and groundwater sampling
- (2) Oversight of field operations such as monitoring well installation, contaminant delineation, and soil excavation
- (3) Creating maps, diagrams, and drawings

ADDITIONAL EXPERTISE (continued)

- (4) Assessment of commercial and multi-family residential facilities in support of property condition assessments
- (5) Conducting asbestos, lead, and hazardous material inspections

SUMMARY OF SELECTED PROJECTS

- (1) Acted as project manager and technical advisor for several communities with U.S. EPA Brownfield assessment grants. The primary objective of each Brownfield grant was to perform Brownfield inventories, conduct Phase I and Phase II environmental site assessments (ESAs), baseline environmental site assessments (BEAs) and EPA quality assurance project plans (QAPPS). Responsibilities also included: acting as a liaison between Brownfield communities, U.S. EPA project managers, and stake holders, project budget tracking, and quarterly reporting.
- (2) Performed Phase I ESAs (including site reconnaissance, regulatory and historical records investigations, and report completion) for financial institutions, manufacturing facilities, real estate developers, and property managers. Properties included industrial, commercial, and residential sites located in Michigan, Alabama, Georgia, and Ohio.
- (3) Performed II subsurface investigations (including soil boring and monitoring well installation, laboratory data interpretation, and report preparation) to:
 - (a) Evaluate the potential presence of contaminants
 - (b) Evaluate the type of contaminants
 - (c) Delineate horizontal and vertical extent

Additional activities included the preparation of Baseline Environmental Assessments to address identified contamination at facilities for submittal to the Michigan Department of Environmental Quality.

- (4) Prepared Property Condition Assessments of commercial and residential apartment properties. Activities included site inspections and report preparation.
- (5) Performed asbestos, lead, and hazardous material inspections of various buildings including commercial and manufacturing buildings and residential structures. Activities performed consisted of visual inspections of suspect materials, review of building records, observations of sampling techniques, and review of laboratory results.

LICENSES

Michigan Asbestos Inspector, Accreditation Number A34295

Michigan Asbestos Management Planner, Accreditation Number A32400

SPECIALIZED TRAINING

OSHA 29 CFR 1910.120 – 40-Hour Hazardous Waste Operations Training

AHERA Asbestos Inspector Course

AHERA Asbestos Management Planner Course

SANDRA E. MUSZYNSKI, CHMM

Environmental Site Assessment Review Project Manager
Environmental Compliance and Assessment Services

EDUCATION**Master in Science: in Environmental Science, 1990**

University of New Haven, West Haven, Connecticut

Bachelor of Science: Zoology, 1988

Michigan State University, East Lansing, Michigan

PROFESSIONAL EXPERIENCE**Senior Environmental Consultant & Compliance Specialist**

AKT Peerless Environmental Services

Environmental Consultant

Soil and Materials Engineers

Senior Staff Scientist

Environmental Science and Engineering

Compliance Specialist

Environmental Management Consultants

AREA OF EXPERTISE

- (1) Phase I environmental site assessments (ESAs)
- (2) Environmental compliance audits and reviews
- (3) Environmental management services such as waste characterization, waste minimization assessments, spill prevention plans, stormwater pollution prevention plans, environmental reporting, and environmental permitting
- (4) Project management, oversight, and coordination of Phase I ESAs, Phase II ESAs, and remediation projects

SUPPORTING AREAS OF EXPERTISE

- (1) Working knowledge of state and federal environmental regulations applicable to solid, hazardous, and medical waste management, wastewater discharges, toxic release inventory reporting, hazardous chemical inventory reporting, air emissions permitting, underground and aboveground storage tanks, oil pollution control, PCBs, asbestos, and OSHA hazard communication
- (2) Asbestos building inspections
- (3) Project management and field activities coordination

SUMMARY OF SELECTED PROJECTS

- (1) Performed Phase I ESAs (including project management, site reconnaissance, regulatory and historical records investigations, and report completion) for financial institutions, manufacturing facilities, real estate developers, property managers, and insurance companies. Properties included industrial, commercial, and residential sites as well as health care facilities.
- (2) Conducted environmental compliance audits for:
 - (a) Metal fabricating facilities (including stamping plants and welding operations)
 - (b) Plastics forming facilities
 - (c) Electronic equipment manufacturing facilities
 - (d) Foundries
 - (e) Metal plating operations
 - (f) Hospitals

Audits focused on determining the facilities' degree of compliance with applicable federal, state and local environmental regulations and recommending actions to achieve compliance.

- (3) Provided technical expertise and project management support for Wayne County's USEPA Brownfield Assessment Demonstration Pilot Project. The pilot project was designed to empower communities in the economic redevelopment of Brownfield sites through a \$200,000 USEPA grant. Duties include management, oversight and completion of Phase I ESAs; participation in Technical Advisory Committee meetings; budget tracking; and the identification and utilization of available resources from supporting agencies and communities.
- (4) Provided technical expertise to the Downriver Area Brownfield Consortium's (DABC) USEPA Brownfield Assessment Demonstration Pilot Project. The pilot project was designed to empower communities in the economic redevelopment of Brownfield sites through a \$200,000 USEPA grant. Duties included the management and completion of Phase I ESAs.

SUMMARY OF SELECTED PROJECTS (continued)

- (5) Prepared Spill Prevention Control and Countermeasure/Pollution Incident Prevention (SPCC/PIP) Plans for (1) bulk fuel storage facilities, (2) asphalt paving facilities (3) pharmaceutical supply companies, and (4) various manufacturing facilities.
- (6) Prepared Stormwater Pollution Prevention Plans for foundries and various manufacturing facilities.
- (7) Assembled an Environmental, Health, and Safety Policy Handbook for the aviation department of a large manufacturing company.
- (8) Prepared an annual Toxic Chemical Release Inventory (TRI/Form R) and Hazardous Chemical Inventory (Tier II) reports for:
 - (a) Metal fabricating facilities
 - (b) Heat treating facilities
 - (c) A pharmaceutical supply company
 - (d) Foundries
 - (e) Various manufacturing facilities
- (9) Completed National Pollutant Discharge Elimination System (NPDES) wastewater discharge permit applications for:
 - (a) Manufacturing facilities
 - (b) Groundwater remediation systems
- (10) Completed Critical Materials and Wastewater Reports for various manufacturing facilities.
- (11) Assembled and submitted formal petitions to the MDEQ for the designation of waste foundry sand as “inert for general reuse” and as “low hazard industrial waste,” thus avoiding disposal costs. Petitions included information such as waste sand generation schematics, generation rates, raw material data, laboratory analysis data, and statistical analysis.
- (12) Conducted asbestos inspections of various buildings including:
 - (a) Manufacturing plants
 - (b) Commercial buildings
 - (c) Hospitals
 - (d) Residential structures
- (13) Managed Phase II subsurface investigations (including the coordination of soil boring and monitoring well installation, laboratory data interpretation, and report completion) to:
 - (a) Evaluate the potential presence of contaminants
 - (b) Evaluate the type of contaminants
 - (c) Delineate horizontal and vertical extent

CERTIFICATIONS

Certified Hazardous Materials Manager (CHMM) by the Institute of Certified Hazardous Materials Managers, Michigan

ISO 14001 Environmental Management Systems Lead Auditor Training (RAB Certified Course)

Accredited asbestos inspector by the Michigan Department of Labor and Economic Growth

Certified NIOSH Airborne Asbestos Dust Sampling and Evaluating

Health and Safety Training for Hazardous Waste Sites (OSHA-mandated 40-hour training and additional Site Supervisor Workshop)

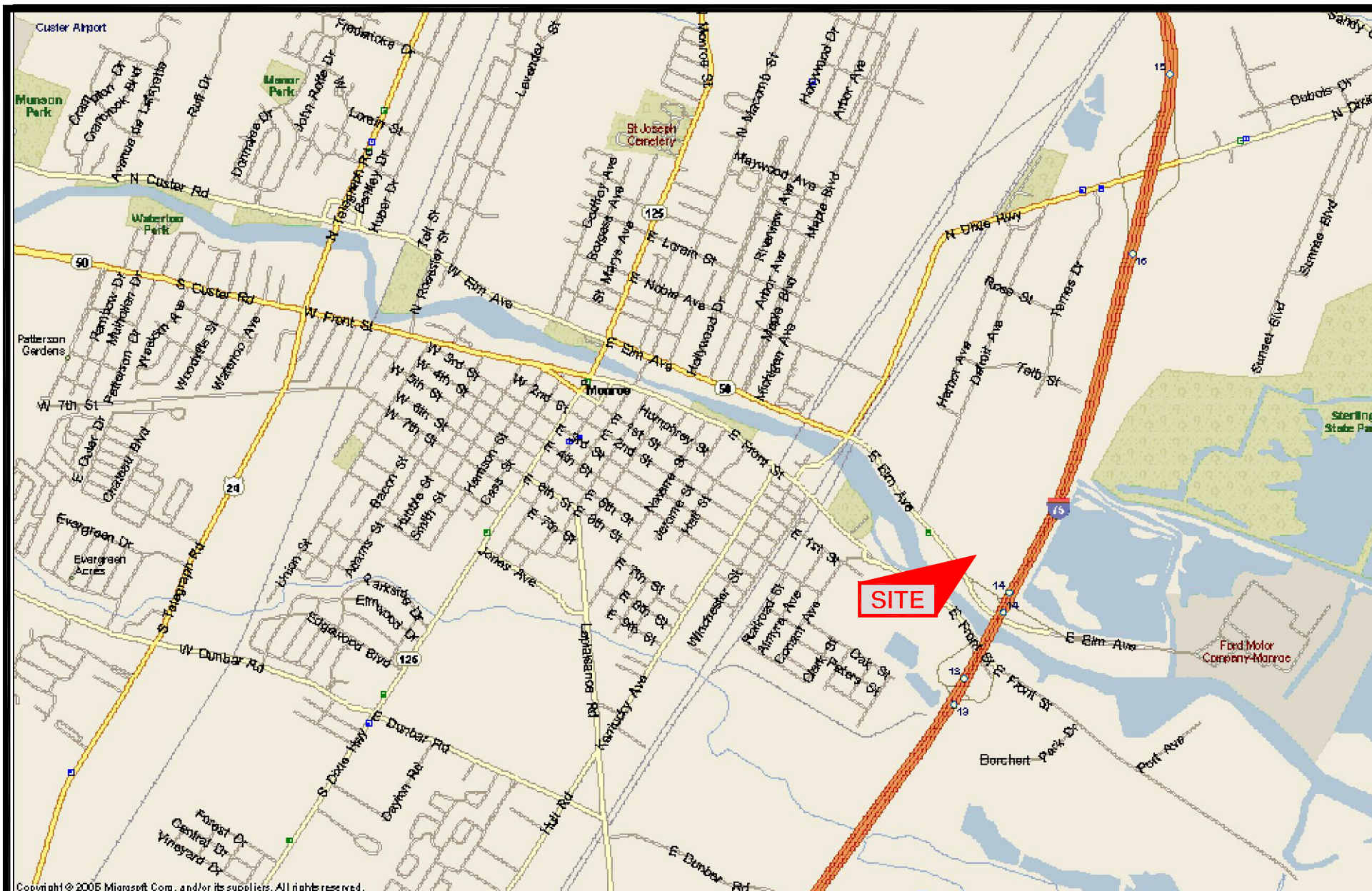
PUBLICATIONS/PRESENTATIONS

Anthony, T.R. and Ashley, S.E., Do Your Clients' USTs Comply With 1998 Regulations? Michigan Lawyers Weekly, Vol. 11, No. 8, December 1996.

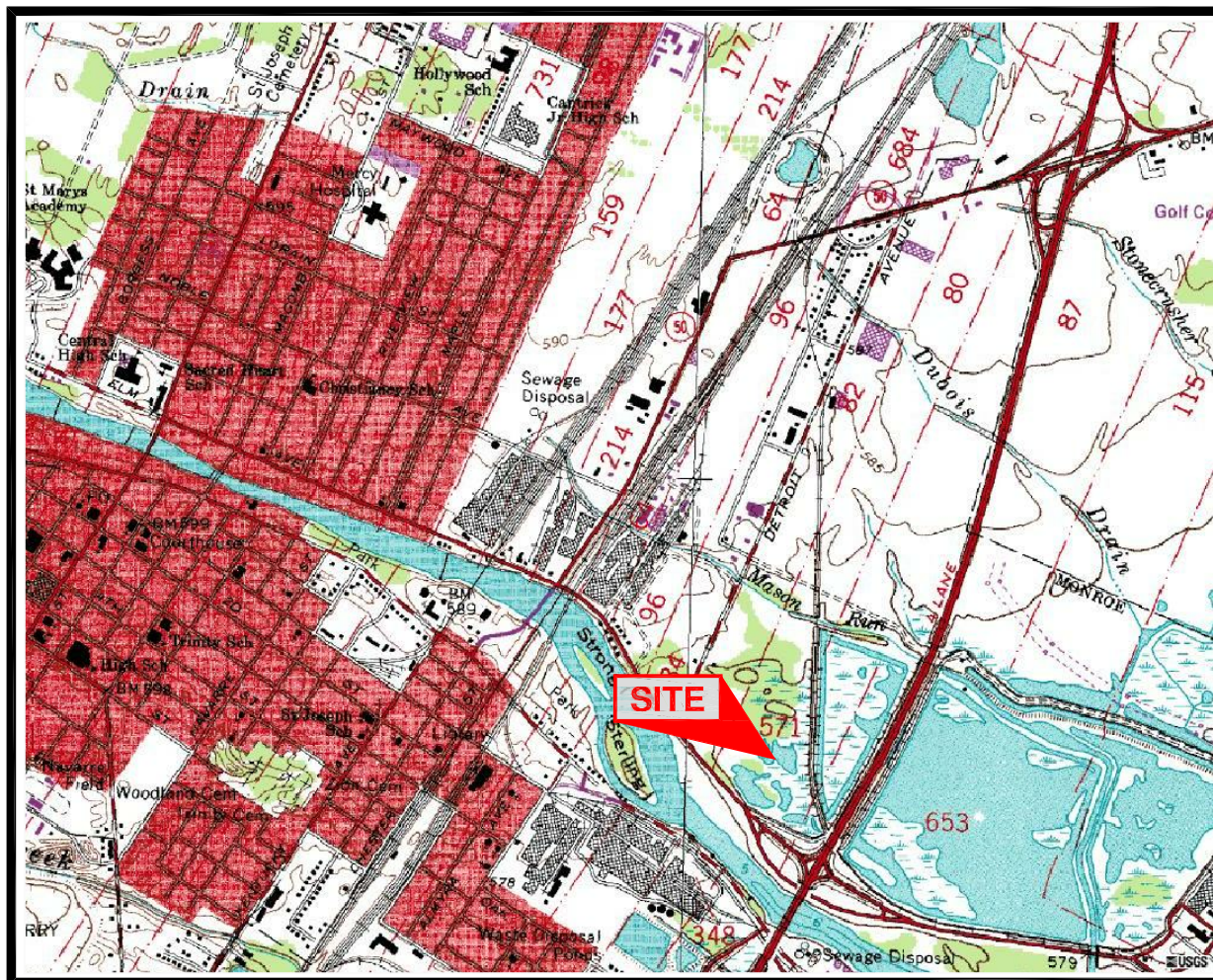
Ashley, S.E., Environmental Compliance Audits. Presented to Michigan Asphalt Paving Association. January 1995.

Voydanoff, S.E., New Year's Day, 1990: Out With the Old and Back With the Recycled. Manufacturers' Mart, September 1990.

FIGURES



MONROE QUADRANGLE
MICHIGAN - MONROE COUNTY
7.5 MINUTE SERIES (TOPOGRAPHIC)



T.3 S. - R.10 E.



CONTOUR INTERVAL 5 FEET
DATUM IS MEAN SEA LEVEL



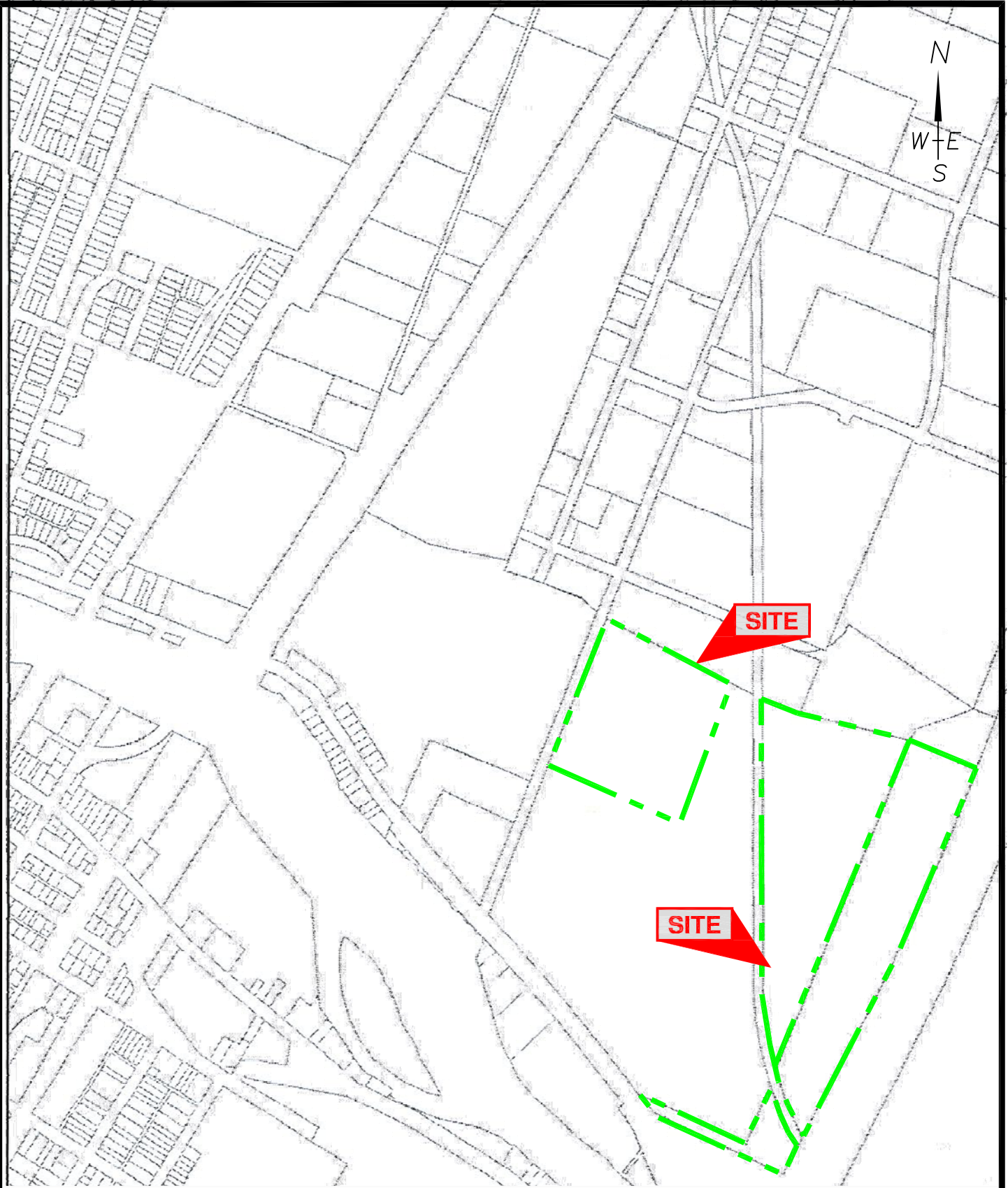
IMAGE TAKEN FROM 1967 U.S.G.S. TOPOGRAPHIC MAP
PHOTOREVISED 1973

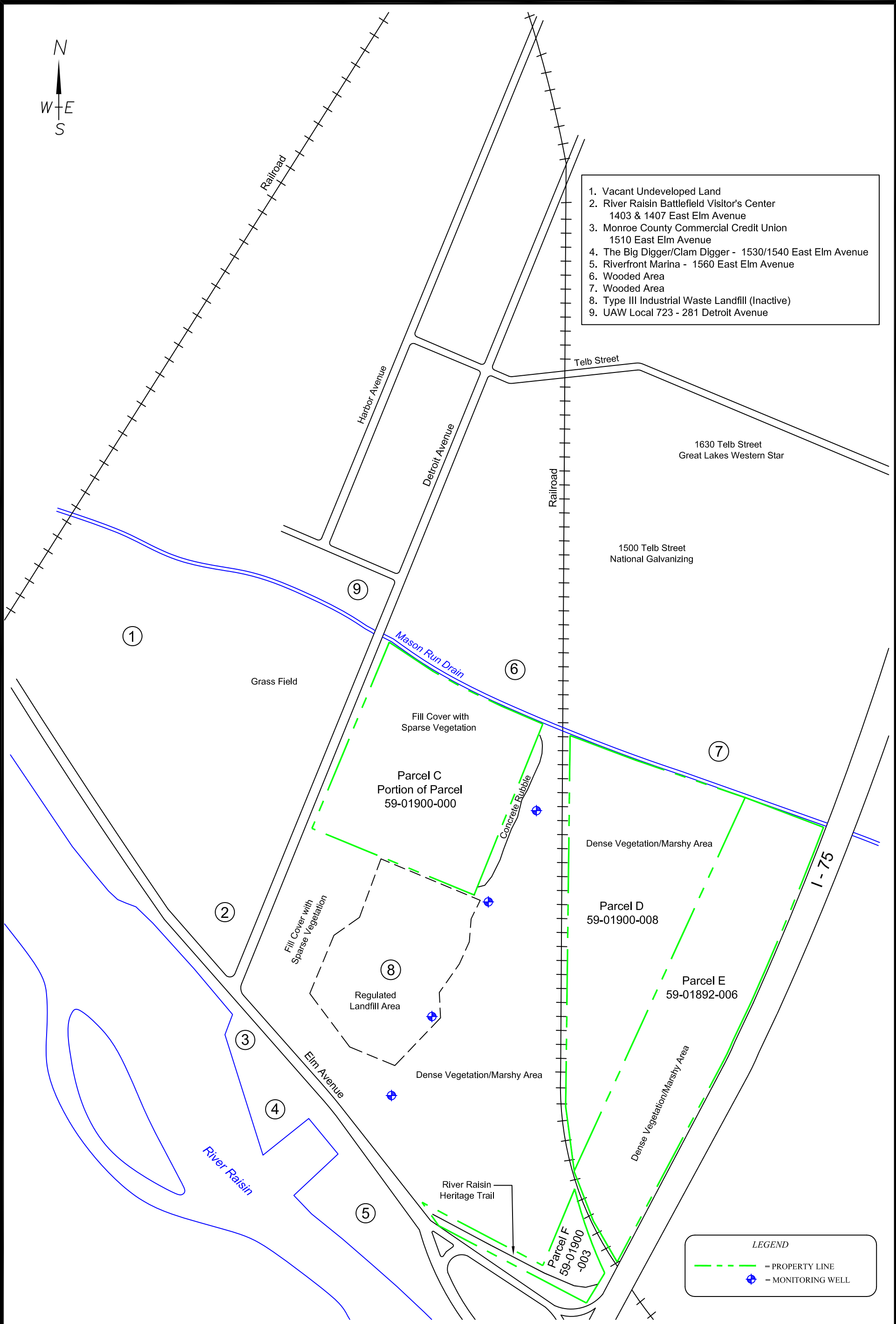
AKTPEERLESS
environmental & energy services
CHICAGO DETROIT FARMINGTON LANSING SAGINAW
www.aktpeerless.com

TOPOGRAPHIC LOCATION MAP
PORTION OF PARCEL No. 059-01900-000, and
PARCEL Nos. 059-01900-003, 059-01900-008, and
059-01892-006
MONROE, MICHIGAN
PROJECT NUMBER : 1983F5-1-17

DRAWN BY: JWB
DATE: 8/31/2011

FIGURE 2





1. Vacant Undeveloped Land
2. River Raisin Battlefield Visitor's Center
1403 & 1407 East Elm Avenue
3. Monroe County Commercial Credit Union
1510 East Elm Avenue
4. The Big Digger/Clam Digger - 1530/1540 East Elm Avenue
5. Riverfront Marina - 1560 East Elm Avenue
6. Wooded Area
7. Wooded Area
8. Type III Industrial Waste Landfill (Inactive)
9. UAW Local 723 - 281 Detroit Avenue

LEGEND

--- PROPERTY LINE

◆ MONITORING WELL

APPENDIX A

GENERAL LIMITATIONS AND EXCEPTIONS

General Limitations and Exceptions

Subject to the proposal, scope-of-services, and the related terms and conditions referenced in Section 1.0 of this Phase I ESA, AKT Peerless accepts responsibility for the competent performance of its duties in executing the assignment and preparing reports in accordance with the normal standards of the profession, but disclaims any responsibility for consequential damages.

Although AKT Peerless believes that the findings, opinions, and recommendations contained herein are reliable and appropriate, AKT Peerless cannot warrant or guarantee that the information provided is exhaustive, or that the information obtained from any data sources is complete or accurate.

Along with the inherent limitations set forth in various sections of ASTM Standard Practice E 1527-05, the accuracy and completeness of this report may be limited by the following facts or conditions:

- Due to the poor scale of the historical aerial photographs, the presence or absence of small features (e.g., individual drums, fuel dispensers) could not be discerned reliably.
- AKT Peerless made reasonable efforts to determine if USTs or related equipment (collectively referred to as UST systems) are or have been present at the subject property. AKT Peerless defines reasonable efforts as obtaining and evaluating information from visual observations of unobstructed areas and from the secondary sources cited in this report. AKT Peerless recognizes, and suggests users of this assessment acknowledge, that the accuracy of our conclusions relative to the on-site presence or use of UST systems may be directly affected by the presence of physical obstructions at the time of the reconnaissance, or affected by our receipt and evaluation of incorrect information.
- AKT Peerless' evaluation of soil and groundwater features at and near the subject property was based only on published maps and other readily available information. AKT Peerless used this information to assess soil types and groundwater flow directions to determine if conditions at any nearby sites present an environmental threat to the subject property.
- Unless specifically noted otherwise, invasive investigation of any kind has not been performed during this Phase I ESA, nor has observation under floors, above ceilings, behind walls, within the surface and subsurface soil, within groundwater, within confined spaces, roof tops, or inaccessible areas been performed.
- AKT Peerless did not conduct sampling or analysis of air, soil, groundwater, surface water, or building materials as part of this Phase I ESA, unless specifically noted otherwise.
- This Phase I ESA did not include a physical inspection of the adjoining properties, which AKT Peerless observed from the subject property and from readily accessible public rights-of-way.
- AKT Peerless typically does not review historical or environmental information about nearby sites in detail unless known activities or events at a nearby site appear to present an environmental threat to the subject property.
- AKT Peerless' scope of services did not include conducting a review of property title

documentation. AKT Peerless requested property title documentation and environmental cleanup liens from the Client, but was not provided this information, unless specifically noted otherwise. However, as described in this report, AKT Peerless made reasonable attempts to determine if the State Environmental Agency maintains documentation regarding environmental liens recorded against the subject property.

- This assessment did not include a review or audit of operational environmental compliance issues, or of any environmental management systems, that may be associated with the subject property.
- This Phase I ESA did not include any investigation or evaluation of issues not specifically related to petroleum products or hazardous substances as defined in CERCLA (i.e., other areas of potential business environmental risk such as radon, lead in drinking water, etc.).
- The information and opinions contained in the report are given in light of this assignment. The report must be reviewed and relied upon only in conjunction with the terms and conditions expressly agreed-upon by the parties and as limited therein.
- Although AKT Peerless believes the results contained in herein are reliable, AKT Peerless cannot warrant or guarantee that the information provided is exhaustive, or that the information provided by the Client, third parties, or the secondary information sources cited in this report is complete or accurate.
- AKT Peerless is not in a position to provide an opinion regarding the Fair Market Value of the subject property. Therefore, a comparison of the purchase price of the subject property to other similar real estate transactions was not conducted during this assessment.
- Nothing in this report constitutes a legal opinion or legal advice. For information regarding individual or organizational liability, AKT Peerless recommends consultation with independent legal counsel.
- AKT Peerless relied upon specific or common knowledge of the Client, or information provided to the Client, to identify environmental liens, institutional controls, activity use limitations, or property valuation issues. As possible within the time frame and cost of this project, AKT Peerless looked for any obvious environmental information regarding these issues made readily available during the course of this ESA.
- The information and opinions presented in this report are for the exclusive use of the Client. No distribution to or reliance by other parties may occur without the express written permission of AKT Peerless. AKT Peerless will not distribute this report without written consent from the Client, or as required by law or by a Court order.
- Any third parties to whom the right to rely on the contents of this report have been granted by AKT Peerless, which is explicitly required prior to any third-party release, expressly agrees to be bound by the original terms and conditions entered into by AKT Peerless and the Client.

APPENDIX B

LEGAL DESCRIPTION

G. B. WARKE & ASSOCIATES, INC.

Professional Land Surveyors • Michigan & Ohio

Established in 1972

727 West Temperance Road
Temperance, MI 48182-1600

(734) 847-7567

Fax (734) 847-1867

Boundary Surveys
Topographic Surveys
Mortgage Locations

PARCEL "B" Parcel with Frontage on Detroit Ave.

Situated in the City of Monroe, Monroe County, Michigan. Part of Private Claims 82 and 571 described as:

Commencing at a 3/4 inch capped (No.19474) iron pipe at the intersection of the northerly right-of-way line of Elm Avenue with the westerly right-of-way line of Detroit Avenue, thence along the northerly right-of-way line of Elm Avenue, South 39°12'53" East 66.69 feet to the easterly right-of-way line of said Detroit Avenue, thence along said easterly right-of-way line, North 24°54'07" East 790.00 feet to the point of beginning;

thence continuing along said easterly right-of way, North 24°54'07" East 918.41 feet to the approximate centerline of Mason Run;

thence along said approximate centerline the following two (2) courses: (1)South 57°27'24" East 660.76 feet and (2) South 64°23'46" East 145.12 feet;

thence South 24°54'07" West 828.77 feet;

thence North 65°05'53" West 800.00 feet to the point of beginning.

Contains 15.911 acres, more or less. Subject to all highways, easements, and restrictions of record.

Note: This description is based on past surveys and deeds in the area. No boundary survey has been performed, nor were irons set as of 6-22-2011.

General Property Information[\[Back to Non-Printer Friendly Version\]](#) [\[Send To Printer\]](#)**Parcel:** 59-01900-008 **Unit:** CITY OF MONROE

If you are accessing this page without having logged in with a username and password, did you know there was more information available?

| | |
|---------------------------------|----------------------------|
| Property Address | [collapse] |
| 1504 MILL ST V MONROE, 48162 | |

| | |
|--|----------------------------|
| Owner Information | [collapse] |
| HOMRICH INC 200 MATLIN RD CARLETON, MI 48117 | |
| Unit: | 55 |

| | |
|--|----------------------------|
| Taxpayer Information | [collapse] |
| HOMRICH INC 200 MATLIN RD CARLETON, MI 48117 | |

| | |
|--|--------------------------|
| General Information for Tax Year 2010 | [expand] |
|--|--------------------------|

| | | | | | | | | | | | |
|---|--------------------------------|-----------------|--------------|------------------------|----------|------------------------|----------|------------------------|----------|---------------------------------|--------------------------------|
| Land Information | [collapse] | | | | | | | | | | |
| <table> <tr> <td>Frontage</td> <td>Depth</td> </tr> <tr> <td>Lot 1: 0.00 Ft.</td> <td>0.00 Ft.</td> </tr> <tr> <td>Lot 2: 0.00 Ft.</td> <td>0.00 Ft.</td> </tr> <tr> <td>Lot 3: 0.00 Ft.</td> <td>0.00 Ft.</td> </tr> <tr> <td>Total Frontage: 0.00 Ft.</td> <td>Average Depth: 0.00 Ft.</td> </tr> </table> | | Frontage | Depth | Lot 1: 0.00 Ft. | 0.00 Ft. | Lot 2: 0.00 Ft. | 0.00 Ft. | Lot 3: 0.00 Ft. | 0.00 Ft. | Total Frontage: 0.00 Ft. | Average Depth: 0.00 Ft. |
| Frontage | Depth | | | | | | | | | | |
| Lot 1: 0.00 Ft. | 0.00 Ft. | | | | | | | | | | |
| Lot 2: 0.00 Ft. | 0.00 Ft. | | | | | | | | | | |
| Lot 3: 0.00 Ft. | 0.00 Ft. | | | | | | | | | | |
| Total Frontage: 0.00 Ft. | Average Depth: 0.00 Ft. | | | | | | | | | | |
| Total Acreage: | 18.60 | | | | | | | | | | |
| Zoning Code: | I-2 | | | | | | | | | | |
| Land Value: | \$19,120 | | | | | | | | | | |
| Land Improvements: | \$0 | | | | | | | | | | |
| Renaissance Zone: | NO | | | | | | | | | | |
| Renaissance Zone Expiration Date: | | | | | | | | | | | |
| Mortgage Code: | | | | | | | | | | | |
| Lot Dimensions/Comments: | N/A | | | | | | | | | | |

| | |
|---|----------------------------|
| Legal Information for 59-01900-008 | [collapse] |
|---|----------------------------|

COMM AT INT N R/O/W E ELM AVE WI E R/O/W DETROIT AVE; TH N 24D 54M 07S E 1918.60 FT; TH S 65D 07M 43S E 1139.79 FT AND S 25D 07M 41S W 290.68 FT TO CL MASON RUN DRAIN BEING POB; TH E ALG CL 600 FT M/L TO E LI PRIVATE CLAIM 571; TH S 24D 54M 01S W 1899.47 FT M/L ALG E LI FORD MOTOR CO RR SPUR ALSO BEING A POINT OF CURVATURE; TH ON CURVE TO RIGHT; ARC LENGTH OF 498.37 FT; ARC ANGLE 15D 08M 58S RADIUS 1884.86 FT; CHORD BEARING N 04D 35M 48S W; TH N 02D 54M 41S E 1477.25 FT TO CL MASON RUN DRAIN; TH S 66D 47M 19S E 221.31 FT TO POB CONT 18.602 ACRES M/L AND SUBJECT TO EASEMENTS OF RECORD

General Property Information[\[Back to Non-Printer Friendly Version\]](#) [\[Send To Printer\]](#)

Parcel: 59-01892-006 Unit: CITY OF MONROE

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Property Address[\[collapse\]](#)

1508 MILL ST V
MONROE, 48162

Owner Information[\[collapse\]](#)

HOMRICH INC/CITY OF MONROE
200 MATLIN RD
CARLETON, MI 48117

Unit: 55

Taxpayer Information[\[collapse\]](#)

HOMRICH INC/CITY OF MONROE
200 MATLIN RD
CARLETON, MI 48117

General Information for Tax Year 2010[\[expand\]](#)**Land Information**[\[collapse\]](#)

| | Frontage | Depth |
|-----------------------------------|----------|--------------------------|
| Lot 1: | 0.00 Ft. | 0.00 Ft. |
| Lot 2: | 0.00 Ft. | 0.00 Ft. |
| Lot 3: | 0.00 Ft. | 0.00 Ft. |
| Total Frontage: | 0.00 Ft. | Average Depth: 0.00 Ft. |
| Total Acreage: 16.64 | | |
| Zoning Code: I-2 | | |
| Land Value: | \$7,780 | Mortgage Code: |
| Land Improvements: | \$0 | Lot Dimensions/Comments: |
| Renaissance Zone: | NO | N/A |
| Renaissance Zone Expiration Date: | | |

Legal Information for 59-01892-006[\[collapse\]](#)

COMM AT NW COR E ELM AVE & DETROIT AVE; TH S 39D 12M 53S E 606.08 FT ALG N R/O/W LI ELM AVE; TH ALG SD R/O/W LI S 35D 30M 53S E 758.05 FT ALG N R/O/W LI TO POINT OF CURVATURE; TH ALG CURVE TO LEFT; RADIUS DIST 2780.90 FT; ARC DIST 3.36 FT; CHORD BEAR & DIST S 35D 32M 58S E 3.36 FT; TH S 62D 25M 03S E 508.93 FT TO E LI PC 571; TH N 24D 54M 01S E 484.27 FT TO N LI RR SPUR FOR POB; (L 246 P 2 REG/DEEDS) ;TH N 24D 54M 01S E 1884.55 FT ALG SD LI TO APPROX S BANK MASON RUN; TH S APPROX 389 FT TO W R/O/W LI I-75 DIST ALG S BANK MORE DIRECTLY DESC AS BEING S 62D 35M 50S E 387.13 FT; TH ON CURVE TO RIGHT; RADIUS DIST 13072.13 FT; ARC DIST 1742.10 FT; CHORD BEAR & DIST S 27D 33M 09S W 1740.81 FT; TH S 31D 22M 13S W 410.59 FT ALG SD R/O/W LI TO N LI SD RR SPUR; TH ON CURVE TO RIGHT; RADIUS DIST 1884.86 FT; ARC DIST 382.18 FT; CHORD BEAR & DIST N 18D 02M 49S W 381.53 FT ALG SD N LI TO POB CONT 16.637 ACRES M/L & SUBJECT TO HIGHWAYS & EASEMENTS OF RECORD

General Property Information[\[Back to Non-Printer Friendly Version\]](#) [\[Send To Printer\]](#)**Parcel:** 59-01900-003 **Unit:** CITY OF MONROE

If you are accessing this page without having logged in with a username and password, did you know there was more information available?

| | |
|------------------------------|------------|
| Property Address | [collapse] |
| E ELM AVE V MONROE, 48162 | |

| | |
|---|------------|
| Owner Information | [collapse] |
| HOMRICH/CITY OF MONROE 200 MATLIN RD CARLETON, MI 48117 | |
| Unit: | 55 |

| | |
|---|------------|
| Taxpayer Information | [collapse] |
| HOMRICH/CITY OF MONROE 200 MATLIN RD CARLETON, MI 48117 | |

| | |
|--|----------|
| General Information for Tax Year 2010 | [expand] |
|--|----------|

| Land Information | [collapse] | | | | | | | | | | | | | | | |
|--|------------|-------------------------|----------|-------|--------|----------|----------|--------|----------|----------|--------|----------|----------|-----------------|----------|-------------------------|
| <table> <tr> <th></th> <th>Frontage</th> <th>Depth</th> </tr> <tr> <td>Lot 1:</td> <td>0.00 Ft.</td> <td>0.00 Ft.</td> </tr> <tr> <td>Lot 2:</td> <td>0.00 Ft.</td> <td>0.00 Ft.</td> </tr> <tr> <td>Lot 3:</td> <td>0.00 Ft.</td> <td>0.00 Ft.</td> </tr> <tr> <td>Total Frontage:</td> <td>0.00 Ft.</td> <td>Average Depth: 0.00 Ft.</td> </tr> </table> | | | Frontage | Depth | Lot 1: | 0.00 Ft. | 0.00 Ft. | Lot 2: | 0.00 Ft. | 0.00 Ft. | Lot 3: | 0.00 Ft. | 0.00 Ft. | Total Frontage: | 0.00 Ft. | Average Depth: 0.00 Ft. |
| | Frontage | Depth | | | | | | | | | | | | | | |
| Lot 1: | 0.00 Ft. | 0.00 Ft. | | | | | | | | | | | | | | |
| Lot 2: | 0.00 Ft. | 0.00 Ft. | | | | | | | | | | | | | | |
| Lot 3: | 0.00 Ft. | 0.00 Ft. | | | | | | | | | | | | | | |
| Total Frontage: | 0.00 Ft. | Average Depth: 0.00 Ft. | | | | | | | | | | | | | | |
| Total Acreage: 2.32 Zoning Code: I-2 Land Value: \$1,360 Land Improvements: \$0 Renaissance Zone: NO Renaissance Zone Expiration Date: Mortgage Code: Lot Dimensions/Comments: N/A | | | | | | | | | | | | | | | | |

| | |
|---|------------|
| Legal Information for 59-01900-003 | [collapse] |
| COMM AT INT N LI ELM AVE WI E LI DETROIT AVE 606.08 FT S 39D 12M 53S E N LI ELM AVE AND 628.80 FT S 35D 30M 53S E TO POB; TH S 62D 25M 03S E 624.37 FT TO E LI PC 571; TH N 24D 54M 01S E 343.18 FT ALG E LI PC 571 TO PT ON CURVE IN FORD MOTOR RR SPUR; TH ON CURVE TO LEFT; CENTRAL ANGLE 10D 43M 34S; RADIUS 1934.86 FT; ARC LENGTH 362.22 FT; CHORD BEARING S 10D 30M 52S E 361.69 FT; TH S 31D 22M 13S W 156.92 FT; TH N 62D 25M 03S W 235.71 FT TO E LI PC 571; TH N 62D 25M 03S W 508.93 FT TO PT OF CURVE; TH ON CURVE TO RIGHT; CENTRAL ANGLE 00D 04M 09S; RADIUS 2780.90 FT; ARC LENGTH 3.36 FT AND CHORD BEARING N 35D 32M 58S W 3.36 FT; TH N 35D 30M 53S W 129.95 FT TO POB (CONT 2.33 ACRES M/L) SUBJ TO HIGHWAYS AND EASEMENTS OF RECORD ABOVE DESC TO BE USED FOR TAX PURPOSES ONLY PC 571 1/2 INTEREST FOR DNR PURPOSES | |

APPENDIX C

RECONNAISSANCE PHOTOGRAPHS



*PHOTOGRAPH NO. 1: SUBJECT PROPERTY
VIEW OF PARCEL C, FACING WEST*



*PHOTOGRAPH NO. 2: SUBJECT PROPERTY
ANOTHER VIEW OF PARCEL C, FACING SOUTHWEST*



*PHOTOGRAPH NO. 3: SUBJECT PROPERTY
VIEW OF THE SOUTHERN PORTION OF PARCEL C, FACING SOUTH*



*PHOTOGRAPH NO. 4: SUBJECT PROPERTY
VIEW OF A CONTROL LINE/GRADE STAKE LOCATED THROUGHOUT PARCEL C*



*PHOTOGRAPH NO. 5: SUBJECT PROPERTY
VIEW OF THE SOUTHERN PORTION OF PARCEL D, FACING NORTH*



*PHOTOGRAPH NO. 6: SUBJECT PROPERTY
VIEW OF PARCELS D AND E FACING EAST*



*PHOTOGRAPH NO. 7: SUBJECT PROPERTY
VIEW OF PARCEL E, FACING SOUTHWEST FROM I-75*



*PHOTOGRAPH NO. 8 SUBJECT PROPERTY
VIEW OF PARCEL F, FACING NORTH*



*PHOTOGRAPH NO. 9: ADJOINING PROPERTY
RIVER RAISIN BATTLEFIELD VISITOR'S CENTER ADJOINING PARCEL C TO THE WEST, BEYOND DETROIT AVENUE*



*PHOTOGRAPH NO. 10: ADJOINING PROPERTY
UAW LOCAL 723 AT 281 DETROIT AVENUE ADJOINING PARCEL C TO THE NORTHWEST, BEYOND DETROIT AVENUE*



*PHOTOGRAPH NO. 11: ADJOINING PROPERTY
UNIMPROVED LAND ADJOINING PARCEL C TO THE NORTH*



*PHOTOGRAPH NO. 12: ADJOINING PROPERTY
REGUALTED LANDFILL AREA ADJOINING PARCEL C TO THE SOUTH*



*PHOTOGRAPH NO. 13: ADJOINING PROPERTY
I-75 EXIT RAMP ADJOINING PARCEL F TO THE SOUTH*



*PHOTOGRAPH NO. 14: ADJOINING PROPERTY
RIVERFRONT MARINA ADJOINING PARCEL F TO THE SOUTH, BEYOND EAST ELM AVENUE*



*PHOTOGRAPH NO. 15: ADJOINING PROPERTY
RAILROAD AND UNIMPROVED LAND ADJOINING PARCEL D TO THE WEST*



*PHOTOGRAPH NO. 16: ADJOINING PROPERTY
UNIMPROVED WOODED LAND ADJOINING PARCELS D AND E TO THE NORTH*

APPENDIX D

STANDARD ENVIRONMENTAL RECORD DATABASE REPORT



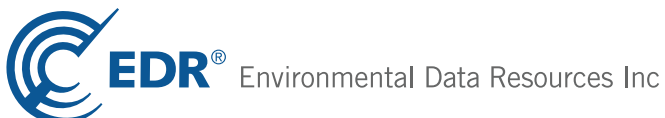
Battlefield Property

1220 East Elm
Monroe, MI 48162

Inquiry Number: 3084125.2s
June 01, 2011

The EDR Radius Map™ Report with GeoCheck®

Prepared using the EDR FieldCheck® System



440 Wheelers Farms Road
Milford, CT 06461
Toll Free: 800.352.0050
www.edrnet.com

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| Map Findings Summary | 4 |
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| Orphan Summary | 154 |
| Government Records Searched/Data Currency Tracking | GR-1 |
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Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

A search of the environmental records was conducted by Environmental Data Resources, Inc. (EDR). AKT ENVIRONMENTAL CONSULTANTS used the EDR FieldCheck System to review and/or revise the results of this search, based on independent data verification by AKT ENVIRONMENTAL CONSULTANTS. The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-05) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

1220 EAST ELM
MONROE, MI 48162

COORDINATES

| | |
|--------------------------------|---------------------------|
| Latitude (North): | 41.913500 - 41° 54' 48.6" |
| Longitude (West): | 83.373100 - 83° 22' 23.2" |
| Universal Transverse Mercator: | Zone 17 |
| UTM X (Meters): | 303188.0 |
| UTM Y (Meters): | 4642682.5 |
| Elevation: | 579 ft. above sea level |

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

| | |
|-----------------------|--------------------------|
| Target Property Map: | 41083-H4 MONROE, MI |
| Most Recent Revision: | 1979 |
| East Map: | 41083-H3 STONY POINT, MI |
| Most Recent Revision: | 1978 |

AERIAL PHOTOGRAPHY IN THIS REPORT

| | |
|-------------|--------------------|
| Photo Year: | No Photo Available |
| Source: | USDA |

TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

DATABASES WITH NO MAPPED SITES

No sites were identified in following databases.

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL..... National Priority List

EXECUTIVE SUMMARY

Proposed NPL..... Proposed National Priority List Sites
NPL LIENS..... Federal Superfund Liens

Federal Delisted NPL site list

Delisted NPL..... National Priority List Deletions

Federal CERCLIS list

FEDERAL FACILITY..... Federal Facility Site Information listing

Federal RCRA generators list

RCRA-LQG..... RCRA - Large Quantity Generators
RCRA-SQG..... RCRA - Small Quantity Generators

Federal institutional controls / engineering controls registries

US ENG CONTROLS..... Engineering Controls Sites List
US INST CONTROL..... Sites with Institutional Controls

Federal ERNS list

ERNS..... Emergency Response Notification System

State and tribal leaking storage tank lists

INDIAN LUST..... Leaking Underground Storage Tanks on Indian Land

State and tribal registered storage tank lists

INDIAN UST..... Underground Storage Tanks on Indian Land
FEMA UST..... Underground Storage Tank Listing

State and tribal institutional control / engineering control registries

AUL..... Engineering and Institutional Controls

State and tribal voluntary cleanup sites

INDIAN VCP..... Voluntary Cleanup Priority Listing

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Landfill / Solid Waste Disposal Sites

ODI..... Open Dump Inventory
DEBRIS REGION 9..... Torres Martinez Reservation Illegal Dump Site Locations
SWRCY..... Recycling Facilities
HIST LF..... Inactive Solid Waste Facilities
INDIAN ODI..... Report on the Status of Open Dumps on Indian Lands

Local Lists of Hazardous waste / Contaminated Sites

US CDL..... Clandestine Drug Labs

EXECUTIVE SUMMARY

CDL..... Clandestine Drug Lab Listing
US HIST CDL..... National Clandestine Laboratory Register

Local Land Records

LIENS 2..... CERCLA Lien Information
LUCIS..... Land Use Control Information System
LIENS..... Lien List

Records of Emergency Release Reports

HMIRS..... Hazardous Materials Information Reporting System
SPILLS..... Pollution Emergency Alerting System

Other Ascertainable Records

DOT OPS..... Incident and Accident Data
DOD..... Department of Defense Sites
FUDS..... Formerly Used Defense Sites
CONSENT..... Superfund (CERCLA) Consent Decrees
ROD..... Records Of Decision
UMTRA..... Uranium Mill Tailings Sites
MINES..... Mines Master Index File
TRIS..... Toxic Chemical Release Inventory System
TSCA..... Toxic Substances Control Act
FTTS..... FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
HIST FTTS..... FIFRA/TSCA Tracking System Administrative Case Listing
SSTS..... Section 7 Tracking Systems
ICIS..... Integrated Compliance Information System
PADS..... PCB Activity Database System
MLTS..... Material Licensing Tracking System
RADINFO..... Radiation Information Database
FINDS..... Facility Index System/Facility Registry System
RAATS..... RCRA Administrative Action Tracking System
UIC..... Underground Injection Wells Database
WDS..... Waste Data System
DRYCLEANERS..... Drycleaning Establishments
NPDES..... List of Active NPDES Permits
AIRS..... Permit and Emissions Inventory Data
INDIAN RESERV..... Indian Reservations
SCRD DRYCLEANERS..... State Coalition for Remediation of Drycleaners Listing
FINANCIAL ASSURANCE..... Financial Assurance Information Listing
COAL ASH DOE..... Sleam-Electric Plan Operation Data
COAL ASH EPA..... Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER..... PCB Transformer Registration Database
COAL ASH..... Coal Ash Disposal Sites

EDR PROPRIETARY RECORDS

EDR Proprietary Records

Manufactured Gas Plants..... EDR Proprietary Manufactured Gas Plants

EXECUTIVE SUMMARY

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.

Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

STANDARD ENVIRONMENTAL RECORDS

Federal CERCLIS list

CERCLIS: The Comprehensive Environmental Response, Compensation and Liability Information System contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

An online review and analysis by AKT ENVIRONMENTAL CONSULTANTS of the CERCLIS list, as provided by EDR, and dated 02/25/2011 has revealed that there is 1 CERCLIS site within approximately 0.5 miles of the target property.

| <u>Equal/Higher Elevation</u> | <u>Address</u> | <u>Direction / Distance</u> | <u>Map ID</u> | <u>Page</u> |
|---|------------------------------------|--|-------------------|------------------|
| <i>CONSOLIDATED PACKAGING CORP</i> | <i>1521 E. FIRST STREET</i> | <i>SW 1/4 - 1/2 (0.285 mi.)</i> | <i>H44</i> | <i>56</i> |

Federal CERCLIS NFRAP site List

CERC-NFRAP: Archived sites are sites that have been removed and archived from the inventory of CERCLIS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

An online review and analysis by AKT ENVIRONMENTAL CONSULTANTS of the CERC-NFRAP list, as provided by EDR, and dated 02/25/2011 has revealed that there is 1 CERC-NFRAP site within approximately 0.5 miles of the target property.

| <u>Equal/Higher Elevation</u> | <u>Address</u> | <u>Direction / Distance</u> | <u>Map ID</u> | <u>Page</u> |
|-------------------------------|------------------|-----------------------------|---------------|-------------|
| MONROE CASTING PLANT | 917 FRONT STREET | SW 1/4 - 1/2 (0.491 mi.) | 55 | 80 |

EXECUTIVE SUMMARY

Federal RCRA CORRACTS facilities list

CORRACTS: CORRACTS is a list of handlers with RCRA Corrective Action Activity. This report shows which nationally-defined corrective action core events have occurred for every handler that has had corrective action activity.

An online review and analysis by AKT ENVIRONMENTAL CONSULTANTS of the CORRACTS list, as provided by EDR, and dated 05/25/2010 has revealed that there are 3 CORRACTS sites within approximately 1 mile of the target property.

| <u>Equal/Higher Elevation</u> | <u>Address</u> | <u>Direction / Distance</u> | <u>Map ID</u> | <u>Page</u> |
|---------------------------------|-----------------------------|----------------------------------|---------------|-------------|
| UNION CAMP CORP | 1109 EAST ELM AVENUE | SSW 1/8 - 1/4 (0.158 mi.) | D27 | 33 |
| VISTEON MONROE | 3200 EAST ELM STREET | ESE 1/2 - 1 (0.668 mi.) | J57 | 81 |
| SALCO INDUSTRIAL SERVICE | 704 CONANT | SW 1/2 - 1 (0.704 mi.) | 59 | 136 |

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

An online review and analysis by AKT ENVIRONMENTAL CONSULTANTS of the RCRA-TSDF list, as provided by EDR, and dated 03/11/2011 has revealed that there is 1 RCRA-TSDF site within approximately 0.5 miles of the target property.

| <u>Equal/Higher Elevation</u> | <u>Address</u> | <u>Direction / Distance</u> | <u>Map ID</u> | <u>Page</u> |
|-------------------------------|-----------------------------|----------------------------------|---------------|-------------|
| UNION CAMP CORP | 1109 EAST ELM AVENUE | SSW 1/8 - 1/4 (0.158 mi.) | D27 | 33 |

Federal RCRA generators list

RCRA-CESQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

An online review and analysis by AKT ENVIRONMENTAL CONSULTANTS of the RCRA-CESQG list, as provided by EDR, and dated 03/11/2011 has revealed that there are 5 RCRA-CESQG sites within approximately 0.25 miles of the target property.

| <u>Equal/Higher Elevation</u> | <u>Address</u> | <u>Direction / Distance</u> | <u>Map ID</u> | <u>Page</u> |
|---------------------------------|------------------------|----------------------------------|---------------|-------------|
| MONROE BANK & TRUST | 319 HARBOR AVE | ESE 0 - 1/8 (0.068 mi.) | A13 | 18 |
| RAY TOOL MANUFACTURING | 455 DETROIT AVE | ESE 1/8 - 1/4 (0.134 mi.) | 18 | 22 |
| PORT OF MONROE | 1205 E ELM ST | SSW 1/8 - 1/4 (0.158 mi.) | D25 | 29 |
| ACTUATOR SPECIALTIES INC | 1620 ROSE ST | E 1/8 - 1/4 (0.218 mi.) | F37 | 46 |
| ADVANCED HEAT TREAT CORP | 1625 ROSE ST | E 1/8 - 1/4 (0.225 mi.) | F38 | 48 |

EXECUTIVE SUMMARY

State- and tribal - equivalent CERCLIS

SHWS: The State Hazardous Waste Sites records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. The data come from the Department of Environmental Quality's Contaminated Sites List on Diskette With Address.

An online review and analysis by AKT ENVIRONMENTAL CONSULTANTS of the SHWS list, as provided by EDR, and dated 05/02/2011 has revealed that there are 7 SHWS sites within approximately 1 mile of the target property.

| <u>Equal/Higher Elevation</u> | <u>Address</u> | <u>Direction / Distance</u> | <u>Map ID</u> | <u>Page</u> |
|---|---------------------|--------------------------------|---------------|-------------|
| FORMER K&H TRANSPORT Facility Status: See Leaking Underground Storage Tank Site Database | 515 HARBOR AVE. | ESE 0 - 1/8 (0.047 mi.) | B5 | 10 |
| 321 HARBOR AVE Facility Status: Evaluation conducted | 319-325 HARBOR AVE. | ESE 0 - 1/8 (0.066 mi.) | A10 | 13 |
| CPC-NORTHSIDE Facility Status: Interim Response in progress | 921 E. ELM STREET | WSW 1/4 - 1/2 (0.335 mi.) | 46 | 66 |
| 1250 E FIRST ST Facility Status: Evaluation conducted | 1250 E FIRST ST. | WSW 1/4 - 1/2 (0.345 mi.) | 47 | 67 |
| 1204 E THIRD ST. Facility Status: Evaluation conducted | 1204 E. THIRD ST. | WSW 1/2 - 1 (0.502 mi.) | 56 | 81 |
| AUTOMOTIVE COMPONENTS HOLDINGS 3200 EAST ELM AVENUE Facility Status: Contact Lead Division for current status | | ESE 1/2 - 1 (0.668 mi.) | J58 | 135 |

| <u>Lower Elevation</u> | <u>Address</u> | <u>Direction / Distance</u> | <u>Map ID</u> | <u>Page</u> |
|--|-------------------|-----------------------------|---------------|-------------|
| CONSOLIDATED PACKAGING CORP Facility Status: Interim Response in progress | 1521 E. FRONT ST. | SW 1/8 - 1/4 (0.214 mi.) | E31 | 43 |

State and tribal landfill and/or solid waste disposal site lists

SWF/LF: The Solid Waste Facilities/Landfill Sites records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. The data come from the Department of Environmental Quality's Michigan Solid Waste Facilities.

An online review and analysis by AKT ENVIRONMENTAL CONSULTANTS of the SWF/LF list, as provided by EDR, and dated 01/05/2011 has revealed that there is 1 SWF/LF site within approximately 0.5 miles of the target property.

| <u>Lower Elevation</u> | <u>Address</u> | <u>Direction / Distance</u> | <u>Map ID</u> | <u>Page</u> |
|------------------------|--------------------------------|-----------------------------|---------------|-------------|
| HOMRICH INC | NE CORNER OF THE INTESE | 0 - 1/8 (0.000 mi.) | 1 | 7 |

EXECUTIVE SUMMARY

State and tribal leaking storage tank lists

LUST: The Leaking Underground Storage Tank Incident Reports contain an inventory of reported leaking underground storage tank incidents. The data come from the Department of Environmental Quality's Leaking Underground Storage Tank (LUST) Database.

An online review and analysis by AKT ENVIRONMENTAL CONSULTANTS of the LUST list, as provided by EDR, and dated 02/22/2011 has revealed that there are 8 LUST sites within approximately 0.5 miles of the target property.

| <u>Equal/Higher Elevation</u> | <u>Address</u> | <u>Direction / Distance</u> | <u>Map ID</u> | <u>Page</u> |
|---|-------------------------|----------------------------------|---------------|-------------|
| FORMER K & H TRANSPORT Facility Status: Closed | 515 HARBOR AVE | ESE 0 - 1/8 (0.055 mi.) | B8 | 11 |
| JEFFERSON SMURFIT CORP Facility Status: Open Facility Status: Open | 1205 EAST ELM AVENUE | SSW 1/8 - 1/4 (0.158 mi.) | D24 | 28 |
| MONROE MET. WASTEWATER TREATME Facility Status: Closed | 2205 E FRONT ST | SSW 1/8 - 1/4 (0.237 mi.) | 42 | 54 |
| B & A STANDARD SERVICE Facility Status: Closed Facility Status: Closed | 1031 E ELM AVE | WSW 1/4 - 1/2 (0.282 mi.) | 43 | 55 |
| DETROIT STOKER COMPANY Facility Status: Closed | 1510 E FIRST ST | SW 1/4 - 1/2 (0.289 mi.) | H45 | 61 |
| KADIUM SAIED Facility Status: Open | 1101 E FRONT ST | WNW 1/4 - 1/2 (0.443 mi.) | I51 | 74 |
| PILOT TRAVEL CENTERS #024 Facility Status: Open | 1100 N DIXIE HWY | NE 1/4 - 1/2 (0.443 mi.) | 52 | 75 |
| GENE GERMAN I Facility Status: Open | 72 WINCHESTER ST | W 1/4 - 1/2 (0.465 mi.) | 53 | 77 |

State and tribal registered storage tank lists

UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the Department of Environmental Quality's Michigan UST database.

An online review and analysis by AKT ENVIRONMENTAL CONSULTANTS of the UST list, as provided by EDR, and dated 02/22/2011 has revealed that there are 7 UST sites within approximately 0.25 miles of the target property.

| <u>Equal/Higher Elevation</u> | <u>Address</u> | <u>Direction / Distance</u> | <u>Map ID</u> | <u>Page</u> |
|---------------------------------------|-----------------------------|----------------------------------|---------------|-------------|
| FLEISCHMANN'S VINEGAR | 465 HARBOR AVE | ESE 0 - 1/8 (0.052 mi.) | 6 | 10 |
| D-X TRUCKING, INC | 1107 E NOBLE AVE | WNW 1/8 - 1/4 (0.150 mi.) | 20 | 26 |
| UNION CAMP CORP | 1109 EAST ELM AVENUE | SSW 1/8 - 1/4 (0.158 mi.) | D27 | 33 |
| FLORAL CITY TREE SERVICE INC | 805 N DIXIE HWY | N 1/8 - 1/4 (0.215 mi.) | 32 | 43 |
| MONROE MET. WASTEWATER TREATME | 2205 E FRONT ST | SSW 1/8 - 1/4 (0.237 mi.) | 42 | 54 |
| <u>Lower Elevation</u> | <u>Address</u> | <u>Direction / Distance</u> | <u>Map ID</u> | <u>Page</u> |
| RIVERFRONT MARINA | 1560 E ELM AVE | SW 0 - 1/8 (0.017 mi.) | 2 | 8 |
| MONROE PAPER CO | 1109 E ELM AVE | SW 1/8 - 1/4 (0.231 mi.) | G41 | 53 |

EXECUTIVE SUMMARY

AST: The Aboveground Storage Tank database contains registered ASTs. The data come from the Department of Natural Resources' Michigan AST database.

An online review and analysis by AKT ENVIRONMENTAL CONSULTANTS of the AST list, as provided by EDR, and dated 03/21/2011 has revealed that there is 1 AST site within approximately 0.25 miles of the target property.

| <u>Equal/Higher Elevation</u> | <u>Address</u> | <u>Direction / Distance</u> | <u>Map ID</u> | <u>Page</u> |
|-------------------------------|-----------------------|----------------------------------|---------------|-------------|
| JEFFERSON SMURFIT CORP | 1220 E ELM AVE | SSW 1/8 - 1/4 (0.158 mi.) | D26 | 30 |

State and tribal Brownfields sites

BROWNFIELDS: Brownfields and USTfield Site Database.

An online review and analysis by AKT ENVIRONMENTAL CONSULTANTS of the BROWNFIELDS list, as provided by EDR, and dated 05/05/2011 has revealed that there are 5 BROWNFIELDS sites within approximately 0.5 miles of the target property.

| <u>Equal/Higher Elevation</u> | <u>Address</u> | <u>Direction / Distance</u> | <u>Map ID</u> | <u>Page</u> |
|-------------------------------|------------------------|----------------------------------|---------------|-------------|
| JEFFERSON SMURFIT CORP. | 1205 E. ELM AVE. | SSW 1/8 - 1/4 (0.158 mi.) | D21 | 27 |
| KADIM SAIED | 1101 E. FRONT | WNW 1/4 - 1/2 (0.443 mi.) | I50 | 74 |
| <u>Lower Elevation</u> | <u>Address</u> | <u>Direction / Distance</u> | <u>Map ID</u> | <u>Page</u> |
| RIVERFRONT MARINA | 1560 E ELM AVE | SW 0 - 1/8 (0.017 mi.) | 2 | 8 |
| CONSOLIDATED PACKAGING CORP | 1521 E. FRONT STREET | SW 1/8 - 1/4 (0.214 mi.) | E30 | 42 |
| MICHIGAN SITE NETWORK | 1521 EAST FRONT STREET | SW 1/8 - 1/4 (0.218 mi.) | E36 | 46 |

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: The EPA's listing of Brownfields properties addressed by Cooperative Agreement Recipients and Brownfields properties addressed by Targeted Brownfields Assessments

An online review and analysis by AKT ENVIRONMENTAL CONSULTANTS of the US BROWNFIELDS list, as provided by EDR, and dated 12/29/2010 has revealed that there are 4 US BROWNFIELDS sites within approximately 0.5 miles of the target property.

| <u>Equal/Higher Elevation</u> | <u>Address</u> | <u>Direction / Distance</u> | <u>Map ID</u> | <u>Page</u> |
|--------------------------------|-------------------------|-----------------------------|---------------|-------------|
| MONROE SPORTS CENTER #1 | NORTH OF EAST ELM AND W | WSW 1/8 - 1/4 (0.127 mi.) | 17 | 21 |
| MASON RUN DEVELOPMENT | NORTH OF EAST ELM AND W | WSW 1/4 - 1/2 (0.376 mi.) | 48 | 67 |
| MONROE FORMER MEXICAN STAMPING | 1250 EAST FIRST STREET | WSW 1/4 - 1/2 (0.389 mi.) | 49 | 72 |
| <u>Lower Elevation</u> | <u>Address</u> | <u>Direction / Distance</u> | <u>Map ID</u> | <u>Page</u> |
| PORT OF MONROE SCHONSHECK | 1508-1680 EAST FRONT ST | SW 1/8 - 1/4 (0.217 mi.) | E35 | 44 |

EXECUTIVE SUMMARY

Local Lists of Hazardous waste / Contaminated Sites

DEL SHWS: Sites that have been delisted or deleted from the List of Contaminated Sites. The available documentation for the site does support its listing or the site no longer meets criteria specified in rules.

An online review and analysis by AKT ENVIRONMENTAL CONSULTANTS of the DEL SHWS list, as provided by EDR, and dated 05/05/2011 has revealed that there are 4 DEL SHWS sites within approximately 1 mile of the target property.

| <u>Equal/Higher Elevation</u> | <u>Address</u> | <u>Direction / Distance</u> | <u>Map ID</u> | <u>Page</u> |
|-------------------------------|----------------------|----------------------------------|---------------|-------------|
| MONROE PAPER COMPANY | 1200 E. ELM AVENUE | SW 1/8 - 1/4 (0.228 mi.) | G39 | 52 |
| KADIM SAIED | 1101 E. FRONT | WNW 1/4 - 1/2 (0.443 mi.) | I50 | 74 |
| FORMER MONROE HOSPITAL | 188-120 MAPLE BLVD. | W 1/4 - 1/2 (0.466 mi.) | 54 | 80 |
| <u>Lower Elevation</u> | <u>Address</u> | <u>Direction / Distance</u> | <u>Map ID</u> | <u>Page</u> |
| CPC GREEN SPACE | 1530 E FRONT ST | SW 1/8 - 1/4 (0.216 mi.) | E34 | 44 |

Other Ascertainable Records

RCRA-NonGen: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

An online review and analysis by AKT ENVIRONMENTAL CONSULTANTS of the RCRA-NonGen list, as provided by EDR, and dated 03/11/2011 has revealed that there are 8 RCRA-NonGen sites within approximately 0.25 miles of the target property.

| <u>Equal/Higher Elevation</u> | <u>Address</u> | <u>Direction / Distance</u> | <u>Map ID</u> | <u>Page</u> |
|---------------------------------|-------------------------------|----------------------------------|---------------|-------------|
| NORTH DIXIE COLLISION | 512 N DIXIE HWY | WNW 0 - 1/8 (0.063 mi.) | C9 | 12 |
| PREMIER INDUSTRIES CORPORATION | 513 N DIXIE HWY | WNW 0 - 1/8 (0.066 mi.) | C11 | 14 |
| MONROE ELECTRIC MOTOR CO | 317 HARBOR AVE | ESE 0 - 1/8 (0.067 mi.) | A12 | 16 |
| MONROE AMT INC | 615 HARBOR AVE | ENE 1/8 - 1/4 (0.138 mi.) | 19 | 24 |
| JEFFERSON SMURFIT CORP | 1220 E ELM AVE | SSW 1/8 - 1/4 (0.158 mi.) | D26 | 30 |
| UNION CAMP CORP | 1109 EAST ELM AVENUE | SSW 1/8 - 1/4 (0.158 mi.) | D27 | 33 |
| P & A INDUSTRIES INC | 523 DETROIT AVE | ESE 1/8 - 1/4 (0.168 mi.) | 28 | 39 |
| <u>Lower Elevation</u> | <u>Address</u> | <u>Direction / Distance</u> | <u>Map ID</u> | <u>Page</u> |
| MI DEPT/TRANSPORTATION | I 75 OVER RAISIN RIVER | SSW 1/8 - 1/4 (0.169 mi.) | 29 | 41 |

BEA: Baseline Environmental Assessment.

An online review and analysis by AKT ENVIRONMENTAL CONSULTANTS of the BEA list, as provided by EDR, and dated 02/25/2011 has revealed that there are 10 BEA sites within approximately 0.5 miles of the target property.

| <u>Equal/Higher Elevation</u> | <u>Address</u> | <u>Direction / Distance</u> | <u>Map ID</u> | <u>Page</u> |
|-------------------------------|-------------------------|-----------------------------|---------------|-------------|
| VACANT PARCEL | 1407 E ELM | WNW 0 - 1/8 (0.034 mi.) | 3 | 9 |
| Not reported | 311, 315 & 317 HARBOR A | NNE 0 - 1/8 (0.044 mi.) | A4 | 9 |

EXECUTIVE SUMMARY

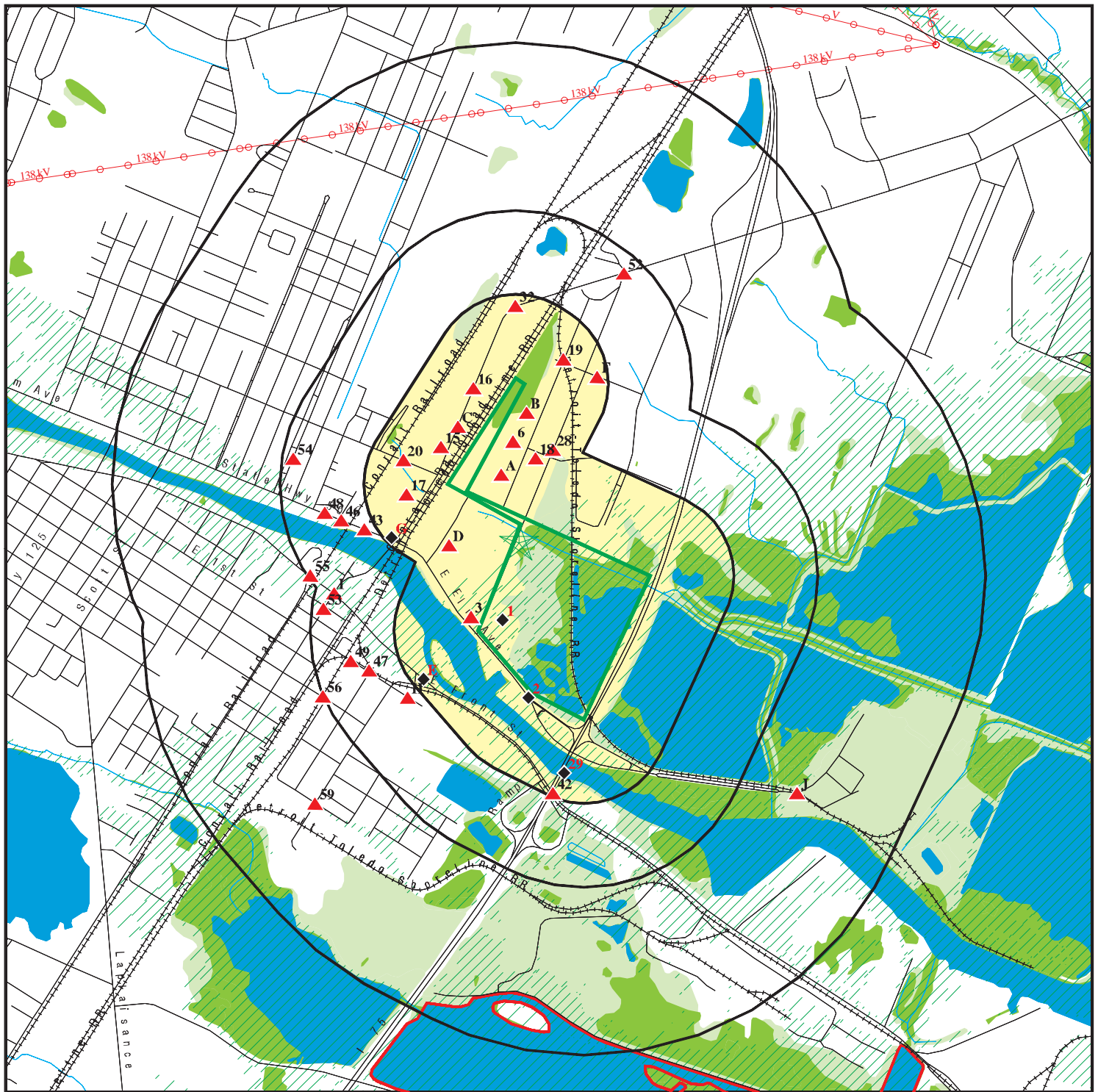
| <u>Equal/Higher Elevation</u> | <u>Address</u> | <u>Direction / Distance</u> | <u>Map ID</u> | <u>Page</u> |
|--------------------------------|----------------------|-----------------------------|---------------|-------------|
| Not reported | 319 - 325 HARBOR AVE | NNE 0 - 1/8 (0.052 mi.) | A7 | 11 |
| Not reported | 321 HARBOR AVE | ESE 0 - 1/8 (0.069 mi.) | A14 | 20 |
| K. M. PROPERTIES | 444 N. DIXIE | WNW 0 - 1/8 (0.077 mi.) | 15 | 20 |
| Not reported | 601 NORTH DIXIE | WNW 0 - 1/8 (0.090 mi.) | 16 | 20 |
| MONROE PAPER CO | 1205 E ELM | SSW 1/8 - 1/4 (0.158 mi.) | D22 | 27 |
| FORMER JEFFERSON SMURFIT PROPE | 1205 EAST ELM STREET | SSW 1/8 - 1/4 (0.158 mi.) | D23 | 28 |
| Not reported | 1200 EAST ELM AVENUE | SW 1/8 - 1/4 (0.228 mi.) | G40 | 52 |
| <u>Lower Elevation</u> | <u>Address</u> | <u>Direction / Distance</u> | <u>Map ID</u> | <u>Page</u> |
| Not reported | 1530 E FRONT ST | SW 1/8 - 1/4 (0.216 mi.) | E33 | 44 |















EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 38 records

| Site Name | Database(s) |
|--|--------------------|
| WYANDOTTE ELECTRIC PLANT & WFP | COAL ASH |
| MONROE LF CITY OF | SHWS |
| DETROIT EDISON MONROE POWER PLANT | SHWS |
| RAISIN R CITY OF MONROE TO MOUTH | SHWS |
| CLARK STATION LOTS ADJ TO | SHWS |
| PORT OF MONROE LF | SHWS |
| GOULD NATIONAL BATTERY INC | SHWS |
| DAMICO/RIVERBEND PROJECT SITE #8 | SHWS |
| MONROE PAPER MERCURY SPILL | CERC-NFRAP |
| MONROE WKS | CERC-NFRAP |
| MONROE CITY LDFL | CERC-NFRAP |
| DETROIT EDISON DREDGE | CERC-NFRAP |
| PORT OF MONROE LDFL | CERC-NFRAP |
| RURAL REFUSE INC SITE #1 | HIST LF |
| CITY OF MONROE SLF | HIST LF |
| KNAB'S SERVICE | BROWNFIELDS |
| RAISIN R, CITY OF MONROE TO MOUTH OF | BROWNFIELDS |
| MARATHON UNIT #2068 | LUST, UST |
| FORMER BP SITE #04328 | UST |
| MI DEPT/TRANSPORTATION | RCRA-NonGen |
| MI DEPT/TRANSPORTATION | RCRA-NonGen, FINDS |
| MI DEPT/TRANSPORTATION | RCRA-NonGen |
| MI DEPT/TRANSPORTATION | RCRA-NonGen |
| MID STATES EXPRESS | RCRA-NonGen |
| MI DEPT/TRANSPORTATION BRIDGE | RCRA-NonGen, FINDS |
| MI DEPT/TRANSPORTATION | RCRA-NonGen |
| MI DEPT/TRANSPORTATION | RCRA-NonGen |
| MI DEPT/TRANSPORTATION | RCRA-NonGen, FINDS |
| MI DEPT/TRANSPORTATION | RCRA-NonGen, FINDS |
| MI DEPT/TRANSPORTATION | RCRA-NonGen, FINDS |
| NORFOLK SOUTHERN | RCRA-NonGen |
| RII STATE TRUCKING | RCRA-NonGen |
| MI DEPT/TRANSPORTATION | RCRA-CESQG |
| MI DEPT/TRANSPORTATION | RCRA-CESQG |
| WAYNES BODY SHOP | RCRA-CESQG, FINDS |
| CITY OF MONROE | RCRA-CESQG, FINDS |
| MI DEPT/TRANSPORTATION | RCRA-CESQG |
| MONROE EAST FRONT STREET VACANT PARCEL | US BROWNFIELDS |

OVERVIEW MAP - 3084125.2s



-  Target Property
-  Sites at elevations higher than or equal to the target property
-  Sites at elevations lower than the target property
-  Manufactured Gas Plants
-  National Priority List Sites
-  Dept. Defense Sites
-  Indian Reservations BIA
-  County Boundary
-  Power transmission lines
-  Oil & Gas pipelines
-  100-year flood zone
-  500-year flood zone
-  National Wetland Inventory
-  State Wetlands

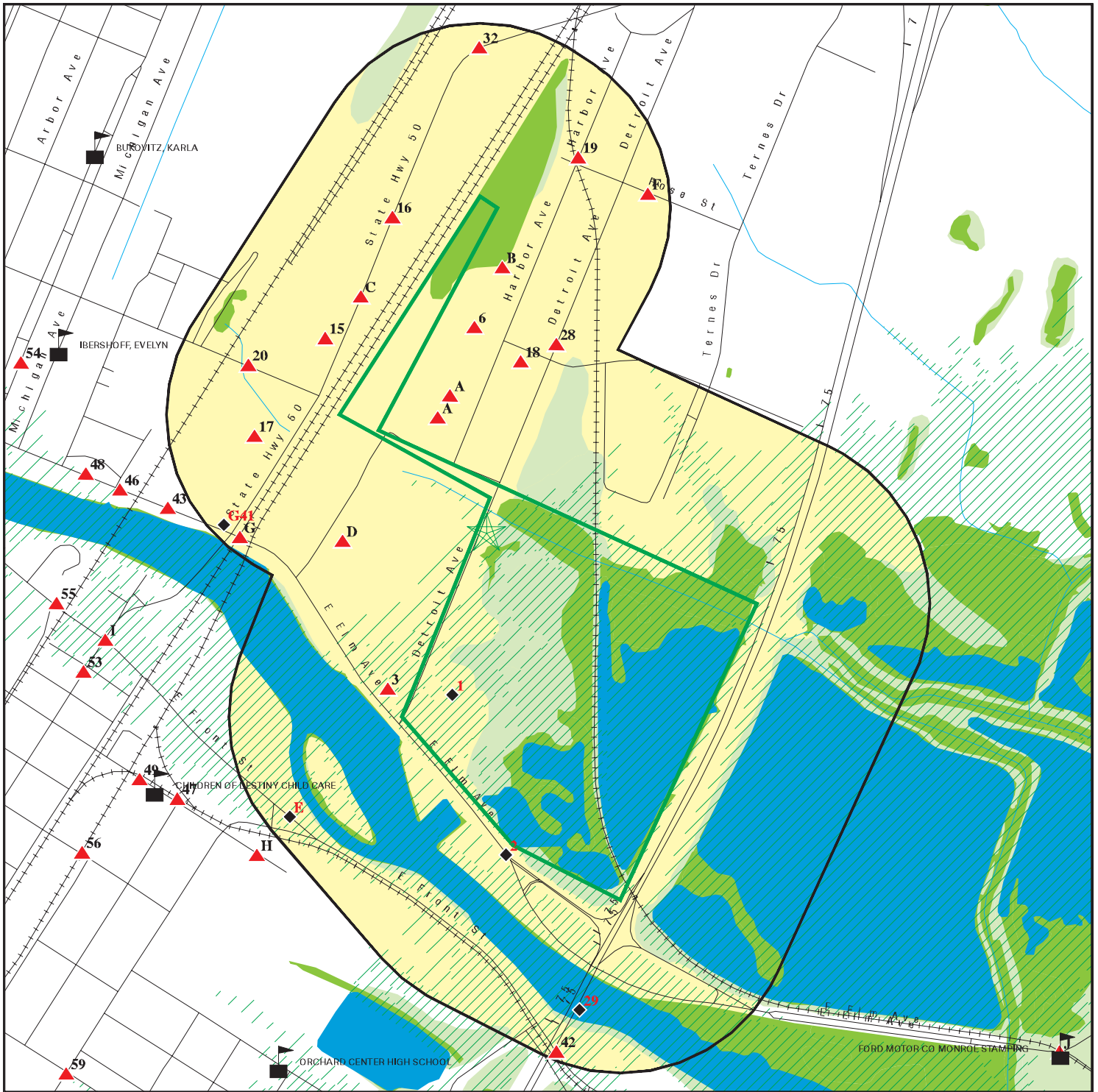
0 1/4 1/2 1 Miles














This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Battlefield Property
 ADDRESS: 1220 East Elm
 Monroe MI 48162
 LAT/LONG: 41.9135 / 83.3731

CLIENT: AKT Environmental Consultants
 CONTACT: Jessica Cory
 INQUIRY #: 3084125.2s
 DATE: June 01, 2011 4:00 pm

DETAIL MAP - 3084125.2s



-
- Legend**
- | | | | |
|---|---|---|----------------------------|
|  | Target Property |  | Indian Reservations BIA |
|  | Sites at elevations higher than or equal to the target property |  | Oil & Gas pipelines |
|  | Sites at elevations lower than the target property |  | 100-year flood zone |
|  | Manufactured Gas Plants |  | 500-year flood zone |
|  | Sensitive Receptors |  | National Wetland Inventory |
|  | National Priority List Sites |  | State Wetlands |
|  | Dept. Defense Sites | | |
- 0 1/8

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Battlefield Property
ADDRESS: 1220 East Elm
Monroe MI 48162
LAT/LONG: 41.9135 / 83.3731

CLIENT: AKT Environmental Consultants
CONTACT: Jessica Cory
INQUIRY #: 3084125.2s
DATE: June 01, 2011 4:00 pm

MAP FINDINGS SUMMARY

| Database | Target Property | Search Distance (Miles) | < 1/8 | 1/8 - 1/4 | 1/4 - 1/2 | 1/2 - 1 | > 1 | Total Plotted |
|--|-----------------|-------------------------|-------|-----------|-----------|---------|-----|---------------|
| STANDARD ENVIRONMENTAL RECORDS | | | | | | | | |
| <i>Federal NPL site list</i> | | | | | | | | |
| NPL | | 1.000 | 0 | 0 | 0 | 0 | NR | 0 |
| Proposed NPL | | 1.000 | 0 | 0 | 0 | 0 | NR | 0 |
| NPL LIENS | TP | | NR | NR | NR | NR | NR | 0 |
| <i>Federal Delisted NPL site list</i> | | | | | | | | |
| Delisted NPL | | 1.000 | 0 | 0 | 0 | 0 | NR | 0 |
| <i>Federal CERCLIS list</i> | | | | | | | | |
| CERCLIS | | 0.500 | 0 | 0 | 1 | NR | NR | 1 |
| FEDERAL FACILITY | | 1.000 | 0 | 0 | 0 | 0 | NR | 0 |
| <i>Federal CERCLIS NFRAP site List</i> | | | | | | | | |
| CERC-NFRAP | | 0.500 | 0 | 0 | 1 | NR | NR | 1 |
| <i>Federal RCRA CORRACTS facilities list</i> | | | | | | | | |
| CORRACTS | | 1.000 | 0 | 1 | 0 | 2 | NR | 3 |
| <i>Federal RCRA non-CORRACTS TSD facilities list</i> | | | | | | | | |
| RCRA-TSDF | | 0.500 | 0 | 1 | 0 | NR | NR | 1 |
| <i>Federal RCRA generators list</i> | | | | | | | | |
| RCRA-LQG | | 0.250 | 0 | 0 | NR | NR | NR | 0 |
| RCRA-SQG | | 0.250 | 0 | 0 | NR | NR | NR | 0 |
| RCRA-CESQG | | 0.250 | 1 | 4 | NR | NR | NR | 5 |
| <i>Federal institutional controls / engineering controls registries</i> | | | | | | | | |
| US ENG CONTROLS | | 0.500 | 0 | 0 | 0 | NR | NR | 0 |
| US INST CONTROL | | 0.500 | 0 | 0 | 0 | NR | NR | 0 |
| <i>Federal ERNS list</i> | | | | | | | | |
| ERNS | TP | | NR | NR | NR | NR | NR | 0 |
| <i>State- and tribal - equivalent CERCLIS</i> | | | | | | | | |
| SHWS | | 1.000 | 2 | 1 | 2 | 2 | NR | 7 |
| <i>State and tribal landfill and/or solid waste disposal site lists</i> | | | | | | | | |
| SWF/LF | | 0.500 | 1 | 0 | 0 | NR | NR | 1 |
| <i>State and tribal leaking storage tank lists</i> | | | | | | | | |
| LUST | | 0.500 | 1 | 2 | 5 | NR | NR | 8 |
| INDIAN LUST | | 0.500 | 0 | 0 | 0 | NR | NR | 0 |
| <i>State and tribal registered storage tank lists</i> | | | | | | | | |
| UST | | 0.250 | 2 | 5 | NR | NR | NR | 7 |

MAP FINDINGS SUMMARY

| Database | Target Property | Search Distance (Miles) | < 1/8 | 1/8 - 1/4 | 1/4 - 1/2 | 1/2 - 1 | > 1 | Total Plotted |
|--|-----------------|-------------------------|-------|-----------|-----------|---------|-----|---------------|
| AST | | 0.250 | 0 | 1 | NR | NR | NR | 1 |
| INDIAN UST | | 0.250 | 0 | 0 | NR | NR | NR | 0 |
| FEMA UST | | 0.250 | 0 | 0 | NR | NR | NR | 0 |
| State and tribal institutional control / engineering control registries | | | | | | | | |
| AUL | | 0.500 | 0 | 0 | 0 | NR | NR | 0 |
| State and tribal voluntary cleanup sites | | | | | | | | |
| INDIAN VCP | | 0.500 | 0 | 0 | 0 | NR | NR | 0 |
| State and tribal Brownfields sites | | | | | | | | |
| BROWNFIELDS | | 0.500 | 1 | 3 | 1 | NR | NR | 5 |
| ADDITIONAL ENVIRONMENTAL RECORDS | | | | | | | | |
| Local Brownfield lists | | | | | | | | |
| US BROWNFIELDS | | 0.500 | 0 | 2 | 2 | NR | NR | 4 |
| Local Lists of Landfill / Solid Waste Disposal Sites | | | | | | | | |
| ODI | | 0.500 | 0 | 0 | 0 | NR | NR | 0 |
| DEBRIS REGION 9 | | 0.500 | 0 | 0 | 0 | NR | NR | 0 |
| SWRCY | | 0.500 | 0 | 0 | 0 | NR | NR | 0 |
| HIST LF | | 0.500 | 0 | 0 | 0 | NR | NR | 0 |
| INDIAN ODI | | 0.500 | 0 | 0 | 0 | NR | NR | 0 |
| Local Lists of Hazardous waste / Contaminated Sites | | | | | | | | |
| US CDL | | TP | NR | NR | NR | NR | NR | 0 |
| DEL SHWS | | 1.000 | 0 | 2 | 2 | 0 | NR | 4 |
| CDL | | TP | NR | NR | NR | NR | NR | 0 |
| US HIST CDL | | TP | NR | NR | NR | NR | NR | 0 |
| Local Land Records | | | | | | | | |
| LIENS 2 | | TP | NR | NR | NR | NR | NR | 0 |
| LUCIS | | 0.500 | 0 | 0 | 0 | NR | NR | 0 |
| LIENS | | TP | NR | NR | NR | NR | NR | 0 |
| Records of Emergency Release Reports | | | | | | | | |
| HMIRS | | TP | NR | NR | NR | NR | NR | 0 |
| SPILLS | | TP | NR | NR | NR | NR | NR | 0 |
| Other Ascertainable Records | | | | | | | | |
| RCRA-NonGen | | 0.250 | 3 | 5 | NR | NR | NR | 8 |
| DOT OPS | | TP | NR | NR | NR | NR | NR | 0 |
| DOD | | 1.000 | 0 | 0 | 0 | 0 | NR | 0 |
| FUDS | | 1.000 | 0 | 0 | 0 | 0 | NR | 0 |
| CONSENT | | 1.000 | 0 | 0 | 0 | 0 | NR | 0 |
| ROD | | 1.000 | 0 | 0 | 0 | 0 | NR | 0 |

MAP FINDINGS SUMMARY

| Database | Target Property | Search Distance (Miles) | < 1/8 | 1/8 - 1/4 | 1/4 - 1/2 | 1/2 - 1 | > 1 | Total Plotted |
|---------------------|--------------------|-------------------------------|-------|-----------|-----------|---------|-----|------------------|
| UMTRA | | 0.500 | 0 | 0 | 0 | NR | NR | 0 |
| MINES | | 0.250 | 0 | 0 | NR | NR | NR | 0 |
| TRIS | | TP | NR | NR | NR | NR | NR | 0 |
| TSCA | | TP | NR | NR | NR | NR | NR | 0 |
| FTTS | | TP | NR | NR | NR | NR | NR | 0 |
| HIST FTTS | | TP | NR | NR | NR | NR | NR | 0 |
| SSTS | | TP | NR | NR | NR | NR | NR | 0 |
| ICIS | | TP | NR | NR | NR | NR | NR | 0 |
| PADS | | TP | NR | NR | NR | NR | NR | 0 |
| MLTS | | TP | NR | NR | NR | NR | NR | 0 |
| RADINFO | | TP | NR | NR | NR | NR | NR | 0 |
| FINDS | | TP | NR | NR | NR | NR | NR | 0 |
| RAATS | | TP | NR | NR | NR | NR | NR | 0 |
| UIC | | TP | NR | NR | NR | NR | NR | 0 |
| WDS | | TP | NR | NR | NR | NR | NR | 0 |
| DRYCLEANERS | | 0.250 | 0 | 0 | NR | NR | NR | 0 |
| NPDES | | TP | NR | NR | NR | NR | NR | 0 |
| AIRS | | TP | NR | NR | NR | NR | NR | 0 |
| BEA | | 0.500 | 6 | 4 | 0 | NR | NR | 10 |
| INDIAN RESERV | | 1.000 | 0 | 0 | 0 | 0 | NR | 0 |
| SCRD DRYCLEANERS | | 0.500 | 0 | 0 | 0 | NR | NR | 0 |
| FINANCIAL ASSURANCE | | TP | NR | NR | NR | NR | NR | 0 |
| COAL ASH DOE | | TP | NR | NR | NR | NR | NR | 0 |
| COAL ASH EPA | | 0.500 | 0 | 0 | 0 | NR | NR | 0 |
| PCB TRANSFORMER | | TP | NR | NR | NR | NR | NR | 0 |
| COAL ASH | | 0.500 | 0 | 0 | 0 | NR | NR | 0 |

EDR PROPRIETARY RECORDS

EDR Proprietary Records

| | | | | | | | |
|-------------------------|-------|---|---|---|---|----|---|
| Manufactured Gas Plants | 1.000 | 0 | 0 | 0 | 0 | NR | 0 |
|-------------------------|-------|---|---|---|---|----|---|

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

1 HOMRICH INC SWF/LF S109416860
< 1/8 NE CORNER OF THE INTESECTION OF DETROIT & E. ELM AVENUES FINANCIAL ASSURANCE N/A
1 ft. MONROE, MI

Relative:
Lower

Actual:
577 ft.

SWF/LF:

Facility ID: 390821
Specific Name: HOMRICH INC
Mailing Address: 200 MATLIN RD
Mailing City: CARLETON
Mailing State: MI
Contact Info: (none listed)
Operating Co.: Not reported
Operator Contact: (none listed)
Disposal Status: Type III Industrial Waste Landfill
Disposal Type: Active - Closing

FINANCIAL ASSURANCE 2:

Region: 2
Site ID: 390821
PCFT Type: Trust Fund
Contact Info: JACKSON
Account Number: Not reported
Date Signed by Facility: 6/24/1998
Date Executed by DEQ: 12/11/1998
Current Balance: 7332.65
Current Balance Date: 9/30/2010
PCFT Status Type: Not Released
Specific Name: HOMRICH INC
Project Number: Not reported
Original Balance Date: Not reported
Original Balance: Not reported
Regulatory Program: Trust Fund
Notes: 12/12/2008 - Formerly Jefferson Smurfit

Region: 2
Site ID: 390821
PCFT Type: Not reported
Contact Info: JACKSON
Account Number: Not reported
Date Signed by Facility: Not reported
Date Executed by DEQ: Not reported
Current Balance: 428400
Current Balance Date: 3/20/2006
PCFT Status Type: Active
Specific Name: HOMRICH INC
Project Number: Not reported
Original Balance Date: 3/20/2006
Original Balance: 428400
Regulatory Program: Letter of Credit
Notes: 12/12/2008 - Formerly Jefferson Smurfit listed under WDS #470385

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

2
SW
< 1/8
0.017 mi.
88 ft.

RIVERFRONT MARINA
1560 E ELM AVE
MONROE, MI 48161

UST **U000260693**
BROWNFIELDS **N/A**

Relative:
Lower

UST:

Actual:
575 ft.

Facility ID: 00018473
Facility Type: ACTIVE
Latitude: 41.9071180000
Longitude: -83.3735870000
Owner Name: Riverfront Marina/William Gross
Owner Address: 1560 E Elm Ave PO Box 1927
Owner City,St,Zip: Monroe, MI 48161-6927
Owner Country: USA
Owner Contact: Not reported
Owner Phone: (734) 242-0737
Contact: William J Gross
Contact Phone: (734) 242-0737
Date of Collection: 21-10-2002
Accuracy: 40
Accuracy Value Unit: FEET
Horizontal Datum: NAD83
Source: STATE OF MICHIGAN
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)
Method of Collection: GPS Code Meas. Standard Positioning Service SA Off

Tank ID: 1
Tank Status: Currently In Use
Capacity: 8000
Install Date: May 7 1983
Product: Gasoline
Remove Date: Not reported
Tank Release Detection: Automatic Tank Gauging
Pipe Release Detection: Not reported
Piping Material: Secondary Containment
Piping Type: Suction: No Valve At Tank
Constr Material: Fiberglass Reinforced plastic
Impressed Device: No

BROWNFIELD:

Facility ID: 00018473
Region: 1
Status: Closed LP
Property Use: Not reported
Use at Time of Listing: Not reported
BEA: Not reported
Ernie Id Number: 58000200
Redevelop Status: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

3
WNW
< 1/8
0.034 mi.
181 ft.

VACANT PARCEL
1407 E ELM
MONROE CITY, MI 48162

BEA **S110300941**
N/A

Relative:
Higher

BEA:

Secondary Address: Not reported
BEA Number: 1037
District: Jackson
Date Received: 2010-05-10 00:59:00
Submitter Name: Port of Monroe
Petition Determination: No Request
Petition Disclosure: 0
Category: No Hazardous Substance(s)
Determination 20107A: No Request
Reviewer: spauldie
Division Assigned: RRD

Actual:
579 ft.

A4
NNE
< 1/8
0.044 mi.
232 ft.

311, 315 & 317 HARBOR AVE
MONROE CITY, MI 48162

BEA **S109345118**
N/A

Site 1 of 6 in cluster A

Relative:
Higher

BEA:

Secondary Address: Not reported
BEA Number: 939
District: Jackson
Date Received: 2008-11-21 00:59:00
Submitter Name: Monroe Plumbers & Pipefitters Local 671
Petition Determination: No Request
Petition Disclosure: 0
Category: No Hazardous Substance(s)
Determination 20107A: No Request
Reviewer: spauldie
Division Assigned: RRD

Actual:
588 ft.

Secondary Address: Not reported
BEA Number: 940
District: Jackson
Date Received: 2008-11-21 00:59:00
Submitter Name: Local 671 Monroe Plumbers & Pipefitters
Petition Determination: No Request
Petition Disclosure: 0
Category: No Hazardous Substance(s)
Determination 20107A: No Request
Reviewer: spauldie
Division Assigned: RRD

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

B5
ESE
< 1/8
0.047 mi.
247 ft.

FORMER K&H TRANSPORT
515 HARBOR AVE.
MONROE, MI 48162

SHWS **S109029714**
N/A

Site 1 of 2 in cluster B

Relative:
Higher

SHWS:

Facility ID: 58000222

Facility Status: See Leaking Underground Storage Tank Site Database

Source: Not reported

SAM Score: 20

SAM Score Date: 11/6/2006

Township: 07S

Range: 09E

Section: 8

Quarter: Not reported

Quarter/Quarter: Not reported

Pollutants: Not reported

Actual:
588 ft.

6
ESE
< 1/8
0.052 mi.
274 ft.

FLEISCHMANN'S VINEGAR
465 HARBOR AVE
MONROE, MI 48162

UST **U003833509**
N/A

Relative:
Higher

UST:

Facility ID: 00015752

Facility Type: CLOSED

Latitude: 41.9164660000

Longitude: -83.3732380000

Owner Name: Burns-Philp Food Ingredients

Owner Address: 222 SUTTER ST

Owner City,St,Zip: SAN FRANCISCO, CA 94120-7004

Owner Country: USA

Owner Contact: Not reported

Owner Phone: () -

Contact: HC BUTCH DOUGHERTY

Contact Phone: (734) 242-2111

Date of Collection: 01-11-2001

Accuracy: 100

Accuracy Value Unit: FEET

Horizontal Datum: NAD83

Source: STATE OF MICHIGAN

Point Line Area: POINT

Desc Category: Plant Entrance (Freight)

Method of Collection: Address Matching-House Number

Tank ID: 1

Tank Status: Removed from Ground

Capacity: 8000

Install Date: Mar 20 1977

Product: Hazardous Substance

Remove Date: Jul 17 1997

Tank Release Detection: Inventory Control

Pipe Release Detection: Not reported

Piping Material: Bare Steel

Piping Type: Suction: Valve at Tank

Constr Material: Asphalt Coated or Bare Steel

Impressed Device: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

A7
NNE
< 1/8
0.052 mi.
277 ft.
319 - 325 HARBOR AVE
MONROE CITY, MI 48161
Site 2 of 6 in cluster A

BEA **S105767835**
N/A

Relative: BEA:
Higher Secondary Address: Not reported
BEA Number: 382
District: Jackson
Actual: Date Received: 2002-08-08 00:59:00
588 ft. Submitter Name: Monroe Bank & Trust
Petition Determination: No Request
Petition Disclosure: 0
Category: No Hazardous Substance(s)
Determination 20107A: No Request
Reviewer: massonp
Division Assigned: Environmental Response Division

B8
ESE
< 1/8
0.055 mi.
289 ft.
FORMER K & H TRANSPORT
515 HARBOR AVE
MONROE, MI 48162
Site 2 of 2 in cluster B

LUST **U003878221**
N/A

Relative: LUST:
Higher Facility ID: 00041308
Source: STATE OF MICHIGAN
Actual: Owner Name: V. K. Vemulapalli
588 ft. Owner Address: 120 E Firsrt StSuite #1900
Owner City,St,Zip: Flint, MI 48502
Owner Contact: Not reported
Owner Phone: 810-701-1651
Country: USA
District: Jackson District Office
Site Name: Former K & H Transport
Latitude: 41.9184850000
Longitude: -83.3725880000
Date of Collection: 08-01-2004
Method of Collection: GPS Code Meas. Standard Positioning Service SA Off
Accuracy: 40
Accuracy Value Unit: FEET
Horizontal Data: NAD83
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)

Leak Number: C-0701-02
Release Date: Dec 23 2002
Substance Released: Used Oil
Release Status: Closed
Release Closed Date: Aug 17 2005

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

C9
WNW
< 1/8
0.063 mi.
334 ft.

NORTH DIXIE COLLISION
512 N DIXIE HWY
MONROE, MI 48162

RCRA-NonGen **1000405706**
FINDS **MID982650905**

Site 1 of 2 in cluster C

Relative:
Higher

RCRA-NonGen:

Date form received by agency: 12/31/2001

Facility name: NORTH DIXIE COLLISION

Facility address: 512 N DIXIE HWY
MONROE, MI 48162

EPA ID: MID982650905

Contact: LEE WEISS

Contact address: 512 N DIXIE HWY
MONROE, MI 48162

Contact country: US

Contact telephone: (313) 242-4940

Contact email: Not reported

EPA Region: 05

Classification: Non-Generator

Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: NO ACTIVE O/OP AS NOT GENERATING WASTE

Owner/operator address: Not reported
Not reported

Owner/operator country: Not reported

Owner/operator telephone: Not reported

Legal status: Private

Owner/Operator Type: Owner

Owner/Op start date: 01/01/2002

Owner/Op end date: Not reported

Owner/operator name: NO ACTIVE O/OP AS NOT GENERATING WASTE

Owner/operator address: Not reported
Not reported

Owner/operator country: Not reported

Owner/operator telephone: Not reported

Legal status: Private

Owner/Operator Type: Operator

Owner/Op start date: 01/01/2002

Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No

Mixed waste (haz. and radioactive): No

Recycler of hazardous waste: No

Transporter of hazardous waste: No

Treater, storer or disposer of HW: No

Underground injection activity: No

On-site burner exemption: No

Furnace exemption: No

Used oil fuel burner: No

Used oil processor: No

User oil refiner: No

Used oil fuel marketer to burner: No

Used oil Specification marketer: No

Used oil transfer facility: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NORTH DIXIE COLLISION (Continued)

1000405706

Used oil transporter: No

Historical Generators:

Date form received by agency: 03/28/1988
Facility name: NORTH DIXIE COLLISION
Classification: Small Quantity Generator

Hazardous Waste Summary:

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Violation Status: No violations found

FINDS:

Registry ID: 110003634005

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

A10
ESE
< 1/8
0.066 mi.
348 ft.

321 HARBOR AVE
319-325 HARBOR AVE.
MONROE, MI 48161

SHWS S110126738
N/A

Site 3 of 6 in cluster A

Relative:
Higher

SHWS:

Facility ID: 58000217
Facility Status: Evaluation conducted
Source: Not reported
SAM Score: 30
SAM Score Date: 6/22/2005
Township: 07S
Range: 09E
Section: 8
Quarter: Not reported
Quarter/Quarter: Not reported
Pollutants: Not reported

Actual:
588 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

C11
WNW
< 1/8
0.066 mi.
351 ft.

PREMIER INDUSTRIES CORPORATION
513 N DIXIE HWY
MONROE, MI 48162

RCRA-NonGen **1007098395**
MIK513454777

Site 2 of 2 in cluster C

Relative:
Higher

RCRA-NonGen:

Date form received by agency: 04/19/2010

Facility name: PREMIER INDUSTRIES CORPORATION

Facility address: 513 N DIXIE HWY
MONROE, MI 48162

EPA ID: MIK513454777

Contact: LARRY STEFFY

Contact address: 513 N DIXIE HWY
MONROE, MI 48162

Contact country: US

Contact telephone: (734) 241-8474

Contact email: Not reported

EPA Region: 05

Land type: Private

Classification: Conditionally Exempt Small Quantity Generator

Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Classification: Non-Generator

Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: THOMAS SNAREY

Owner/operator address: Not reported

Owner/operator country: Not reported

Owner/operator telephone: Not reported

Legal status: Private

Owner/Operator Type: Owner

Owner/Op start date: 10/01/1988

Owner/Op end date: Not reported

Owner/operator name: PREMIER INDUSTRIES CORP

Owner/operator address: Not reported

Owner/operator country: Not reported

Owner/operator telephone: Not reported

Legal status: Private

Owner/Operator Type: Owner

Owner/Op start date: 09/28/2001

Owner/Op end date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PREMIER INDUSTRIES CORPORATION (Continued)

1007098395

Owner/operator name: THOMAS SNAREY
Owner/operator address: Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 10/01/1988
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
Used oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:

Date form received by agency: 04/24/2009
Facility name: PREMIER INDUSTRIES CORPORATION
Classification: Not a generator, verified

Date form received by agency: 02/14/2009
Facility name: PREMIER INDUSTRIES CORPORATION
Classification: Not a generator, verified

Date form received by agency: 08/11/2002
Facility name: PREMIER INDUSTRIES CORPORATION
Classification: Small Quantity Generator

Date form received by agency: 12/09/1991
Facility name: PREMIER INDUSTRIES CORPORATION
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 01/01/1980
Facility name: PREMIER INDUSTRIES CORPORATION
Classification: Small Quantity Generator

Hazardous Waste Summary:

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSLEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PREMIER INDUSTRIES CORPORATION (Continued)

1007098395

WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Facility Has Received Notices of Violations:

Regulation violated: Not reported
Area of violation: State Statute or Regulation
Date violation determined: 09/13/2001
Date achieved compliance: 01/15/2002
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 09/13/2001
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: State Statute or Regulation
Date violation determined: 11/25/1991
Date achieved compliance: 01/02/1992
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 11/25/1991
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:

Evaluation date: 09/11/2001
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: State Statute or Regulation
Date achieved compliance: 01/15/2002
Evaluation lead agency: State

Evaluation date: 11/08/1991
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: State Statute or Regulation
Date achieved compliance: 01/02/1992
Evaluation lead agency: State

A12
ESE
< 1/8
0.067 mi.
355 ft.

MONROE ELECTRIC MOTOR CO
317 HARBOR AVE
MONROE, MI 48162

RCRA-NonGen **1000988206**
FINDS **MIR000000091**

Site 4 of 6 in cluster A

Relative:
Higher

RCRA-NonGen:
Date form received by agency: 12/31/2001
Facility name: MONROE ELECTRIC MOTOR CO
Facility address: 317 HARBOR AVE
MONROE, MI 48162
EPA ID: MIR000000091
Contact: J MACKLIN
Contact address: 317 HARBOR AVE

Actual:
588 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MONROE ELECTRIC MOTOR CO (Continued)

1000988206

MONROE, MI 48162
Contact country: US
Contact telephone: (313) 241-5811
Contact email: Not reported
EPA Region: 05
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: NO ACTIVE O/OP AS NOT GENERATING WASTE
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 01/01/2002
Owner/Op end date: Not reported

Owner/operator name: NO ACTIVE O/OP AS NOT GENERATING WASTE
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 01/01/2002
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
Used oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:

Date form received by agency: 02/15/1995
Facility name: MONROE ELECTRIC MOTOR CO
Classification: Small Quantity Generator

Hazardous Waste Summary:

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MONROE ELECTRIC MOTOR CO (Continued)

1000988206

CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Violation Status: No violations found

FINDS:

Registry ID: 110003686903

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

**A13
ESE
< 1/8
0.068 mi.
358 ft.**

**MONROE BANK & TRUST
319 HARBOR AVE
MONROE, MI 48162**

**RCRA-CESQG 1007098877
MIK581152584**

Site 5 of 6 in cluster A

**Relative:
Higher**

RCRA-CESQG:

Date form received by agency: 06/25/2002

Facility name: MONROE BANK & TRUST

Facility address: 319 HARBOR AVE

MONROE, MI 48162

EPA ID: MIK581152584

Mailing address: 102 E FRONT ST
MONROE, MI 48161

Contact: RICK KINSEY

Contact address: 319 HARBOR AVE
MONROE, MI 48162

Contact country: US

Contact telephone: (734) 242-3637

Contact email: Not reported

EPA Region: 05

Classification: Conditionally Exempt Small Quantity Generator

Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MONROE BANK & TRUST (Continued)

1007098877

Owner/Operator Summary:

Owner/operator name: MONROE BANK AND TRUST
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 06/25/2002
Owner/Op end date: Not reported

Owner/operator name: MONROE BANK AND TRUST
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 06/25/2002
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Hazardous Waste Summary:

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Violation Status: No violations found

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

A14
ESE
< 1/8
0.069 mi.
364 ft.
321 HARBOR AVE
MONROE CITY, MI 48161
Site 6 of 6 in cluster A

BEA S106521695
N/A

Relative: BEA:
Higher Secondary Address: (FORMERLY 319 - 325 HARBOR AVE)
BEA Number: 557
District: Jackson
Actual: Date Received: 2004-06-21 00:59:00
588 ft. Submitter Name: Joseph & Jean M Laroy
Petition Determination: No Request
Petition Disclosure: 0
Category: No Hazardous Substance(s)
Determination 20107A: No Request
Reviewer: massonp
Division Assigned: Environmental Response Division

15
WNW
< 1/8
0.077 mi.
407 ft.
K. M. PROPERTIES
444 N. DIXIE
MONROE TOWNSHIP, MI

BEA S104910609
N/A

Relative: BEA:
Higher Secondary Address: Not reported
BEA Number: 233
District: Southeast MI
Actual: Date Received: 1996-12-09 00:00:00
586 ft. Submitter Name: K.M PROPERTIES, L.L.C.
Petition Determination: Affirmed
Petition Disclosure: 1
Category: No Hazardous Substance(s)
Determination 20107A: Affirmed
Reviewer: temppm
Division Assigned: Environmental Response Division

16
WNW
< 1/8
0.090 mi.
475 ft.
601 NORTH DIXIE
MONROE TOWNSHIP, MI

BEA S105767841
N/A

Relative: BEA:
Higher Secondary Address: Not reported
BEA Number: 222
District: Jackson
Actual: Date Received: 2000-02-18 00:00:00
590 ft. Submitter Name: Frank Messina
Petition Determination: Affirmed
Petition Disclosure: 1
Category: No Hazardous Substance(s)
Determination 20107A: Pending
Reviewer: temppm
Division Assigned: Environmental Response Division

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

17
WSW
1/8-1/4
0.127 mi.
668 ft.

MONROE SPORTS CENTER #1
NORTH OF EAST ELM AND WEST OF DIXE HIGHWAY
MONROE, MI 48162

US BROWNFIELDS **1012172762**
N/A

Relative:
Higher

US BROWNFIELDS:

Actual:
584 ft.

Recipient name: Downriver Community Conference
Grant type: Assessment Pilot
Property name: Monroe Sports Center #1
Property #: Not reported
Parcel size: 2.2
Latitude: 41.91798
Longitude: -83.395332
HCM label: Not reported
Map scale: Not reported
Point of reference: Not reported
Datum: Not reported
ACRES property ID: 13724
Start date: N/A
Completed date: N/A
Acres cleaned up: Not reported
Cleanup funding: Not reported
Cleanup funding source: Not reported
Assessment funding: Not reported
Assessment funding source: Not reported
Redevelopment funding: Not reported
Redev. funding source: Not reported
Redev. funding entity name: Not reported
Redevelopment start date: N/A
Assessment funding entity: Not reported
Cleanup funding entity: Not reported
Grant type: N/A
Accomplishment type: Not reported
Ownership entity: Not reported
Current owner: City of Monroe
Did owner change: Not reported
Cleanup required: Not reported
Video available: Not reported
Photo available: Not reported
Institutional controls required: Not reported
IC Category proprietary controls: Not reported
IC cat. info. devices: Not reported
IC cat. gov. controls: Not reported
IC cat. enforcement permit tools: Not reported
IC in place date: N/A
IC in place: Unknown
Enrolled in state/tribal program: No
State/tribal program date: N/A
State/tribal program ID: Not reported
State/tribal NFA date: N/A
Air contaminated: Not reported
Air cleaned: Not reported
Asbestos found: Not reported
Asbestos cleaned: Not reported
Controlled substance found: Not reported
Controlled substance cleaned: Not reported
Drinking water affected: Not reported
Drinking water cleaned: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MONROE SPORTS CENTER #1 (Continued)

1012172762

Groundwater affected: Not reported
Groundwater cleaned: Not reported
Lead contaminant found: Not reported
Lead cleaned up: Not reported
No media affected: Not reported
Unknown media affected: Not reported
Other cleaned up: Not reported
Other metals found: Not reported
Other metals cleaned: Not reported
Other contaminants found: Not reported
Other contams found description: Not reported
PAHs found: Not reported
PAHs cleaned up: Not reported
PCBs found: Not reported
PCBs cleaned up: Not reported
Petro products found: Not reported
Petro products cleaned: Not reported
Sediments found: Not reported
Sediments cleaned: Not reported
Soil affected: Not reported
Soil cleaned up: Not reported
Surface water cleaned: Not reported
Unknown found: Not reported
VOCs found: Not reported
VOCs cleaned: Not reported
Cleanup other description: Not reported
Num. of cleanup and re-dev. jobs: Not reported
Past use greenspace acreage: Not reported
Past use residential acreage: Not reported
Past use commercial acreage: Not reported
Past use industrial acreage: Not reported
Future use greenspace acreage: Not reported
Future use residential acreage: Not reported
Future use commercial acreage: Not reported
Future use industrial acreage: Not reported
Greenspace acreage and type: Not reported
Superfund Fed. landowner flag: Not reported

18
ESE
1/8-1/4
0.134 mi.
709 ft.

RAY TOOL MANUFACTURING
455 DETROIT AVE
MONROE, MI 48161

RCRA-CESQG 1004724577
FINDS MIR000007450

Relative:
Higher

RCRA-CESQG:

Date form received by agency: 08/30/1995

Facility name: RAY TOOL MANUFACTURING

Facility address: 455 DETROIT AVE
MONROE, MI 48161

EPA ID: MIR000007450

Contact: LON KEAST

Contact address: 455 DETROIT AVE
MONROE, MI 48161

Contact country: US

Contact telephone: (810) 901-2118

Contact email: Not reported

EPA Region: 05

Classification: Conditionally Exempt Small Quantity Generator

Actual:
586 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RAY TOOL MANUFACTURING (Continued)

1004724577

Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:

Owner/operator name: FIRST OF AMERICA BANK
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 01/01/1970
Owner/Op end date: Not reported

Owner/operator name: FIRST OF AMERICA BANK
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 01/01/1970
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
Used oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Hazardous Waste Summary:

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RAY TOOL MANUFACTURING (Continued)

1004724577

LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Violation Status: No violations found

FINDS:

Registry ID: 110009394128

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

**19
ENE
1/8-1/4
0.138 mi.
728 ft.**

**MONROE AMT INC
615 HARBOR AVE
MONROE, MI 48162**

**RCRA-NonGen 1000366802
FINDS MID985580455**

**Relative:
Higher**

RCRA-NonGen:

Date form received by agency: 12/31/2001

Facility name: MONROE AMT INC

Facility address: 615 HARBOR AVE
MONROE, MI 48162

EPA ID: MID985580455

Mailing address: PO BOX 390
MONROE, MI 48161

Contact: RICKY FLEMING

Contact address: 615 HARBOR AVE
MONROE, MI 48162

Contact country: US

Contact telephone: (817) 921-5100

Contact email: Not reported

EPA Region: 05

Classification: Non-Generator

Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: NO ACTIVE O/OP AS NOT GENERATING WASTE

Owner/operator address: Not reported

Not reported

Owner/operator country: Not reported

Owner/operator telephone: Not reported

Legal status: Private

Owner/Operator Type: Operator

Owner/Op start date: 01/01/2003

Owner/Op end date: Not reported

Owner/operator name: NO ACTIVE O/OP AS NOT GENERATING WASTE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MONROE AMT INC (Continued)

1000366802

Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 01/01/2003
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
Used oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:

Date form received by agency: 06/04/1990
Facility name: MONROE AMT INC
Classification: Small Quantity Generator

Hazardous Waste Summary:

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSLEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Violation Status: No violations found

FINDS:

Registry ID: 110003640980

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

20
WNW
1/8-1/4
0.150 mi.
792 ft.

D-X TRUCKING, INC
1107 E NOBLE AVE
MONROE, MI 48162

UST U003866286
N/A

Relative:
Higher

UST:

Actual:
585 ft.

Facility ID: 00001536
Facility Type: CLOSED
Latitude: 41.9169680000
Longitude: -83.3800730000
Owner Name: James E And Jack K Rau
Owner Address: 1107 E Noble Ave
Owner City,St,Zip: Monroe, MI 48162-2581
Owner Country: USA
Owner Contact: Not reported
Owner Phone: (734) 241-8906
Contact: JAMES E. RAU
Contact Phone: (734) 241-8906
Date of Collection: 01-11-2001
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Datum: NAD83
Source: STATE OF MICHIGAN
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)
Method of Collection: Address Matching-House Number

Tank ID: 1
Tank Status: Removed from Ground
Capacity: 250
Install Date: Mar 25 1966
Product: Used Oil
Remove Date: Jan 1 1986
Tank Release Detection: Not reported
Pipe Release Detection: Not reported
Piping Material: Unknown
Piping Type: Not reported
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 2
Tank Status: Removed from Ground
Capacity: 12000
Install Date: Mar 26 1975
Product: Diesel
Remove Date: Jan 1 1986
Tank Release Detection: Not reported
Pipe Release Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Not reported
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 3
Tank Status: Removed from Ground
Capacity: 2000

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

D-X TRUCKING, INC (Continued)

U003866286

Install Date: Mar 25 1978
Product: Gasoline
Remove Date: Jan 1 1986
Tank Release Detection: Not reported
Pipe Release Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Not reported
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

D21
SSW
1/8-1/4
0.158 mi.
832 ft.
JEFFERSON SMURFIT CORP.
1205 E. ELM AVE.
MONROE, MI
Site 1 of 7 in cluster D

BROWNFIELDS **S107135721**
N/A

Relative: BROWNFIELD:
Higher Facility ID: 00008419
Region: 1
Actual: Status: Nominated for 03.
584 ft. Property Use: Not reported
Use at Time of Listing: Not reported
BEA: Not reported
Ernie Id Number: Not reported
Redevelop Status: Not reported

D22
SSW
1/8-1/4
0.158 mi.
832 ft.
MONROE PAPER CO
1205 E ELM
MONROE CITY, MI
Site 2 of 7 in cluster D

BEA **S108236786**
N/A

Relative: BEA:
Higher Secondary Address: Not reported
BEA Number: 768
Actual: District: Jackson
584 ft. Date Received: 2006-09-26 00:59:00
Submitter Name: Port of Monroe
Petition Determination: No Request
Petition Disclosure: 0
Category: No Hazardous Substance(s)
Determination 20107A: No Request
Reviewer: spauldie
Division Assigned: Environmental Response Division

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

D23
SSW
1/8-1/4
0.158 mi.
832 ft.
FORMER JEFFERSON SMURFIT PROPERTY
1205 EAST ELM STREET
MONROE TOWNSHIP, MI
Site 3 of 7 in cluster D

BEA **S105541942**
N/A

Relative:
Higher

BEA:

Secondary Address: Not reported
BEA Number: 124
District: Jackson
Date Received: 1998-01-30 00:00:00
Submitter Name: Homrich Incorporated
Petition Determination: Affirmed
Petition Disclosure: 1
Category: No Hazardous Substance(s)
Determination 20107A: Pending
Reviewer: temppm
Division Assigned: Environmental Response Division

Actual:
584 ft.

D24
SSW
1/8-1/4
0.158 mi.
832 ft.
JEFFERSON SMURFIT CORP
1205 EAST ELM AVENUE
MONROE, MI 48162
Site 4 of 7 in cluster D

LUST **1001711715**
N/A

Relative:
Higher

LUST:

Facility ID: 00008419
Source: STATE OF MICHIGAN
Owner Name: Port of Monroe
Owner Address: 2929 E Front StPo Box 585
Owner City,St,Zip: Monroe, MI 48161
Owner Contact: Not reported
Owner Phone: (734) 241-6480
Country: Monroe
District: Jackson District Office
Site Name: Monroe Paper Co
Latitude: 41.9134670000
Longitude: -83.3802910000
Date of Collection: 01-11-2001
Method of Collection: Address Matching-House Number
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Data: NAD83
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)

Actual:
584 ft.

Leak Number: C-1115-89
Release Date: Dec 12 1989
Substance Released: Not reported
Release Status: Open
Release Closed Date: Not reported

Leak Number: C-1930-91
Release Date: Sep 18 1991
Substance Released: Not reported
Release Status: Open
Release Closed Date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

D25
SSW
1/8-1/4
0.158 mi.
832 ft.

PORT OF MONROE
1205 E ELM ST
MONROE, MI 48161

RCRA-CESQG

1010785301
MIK629183179

Site 5 of 7 in cluster D

Relative:
Higher

RCRA-CESQG:

Date form received by agency: 07/04/2006

Facility name: PORT OF MONROE

Facility address: 1205 E ELM ST

MONROE, MI 48161

EPA ID: MIK629183179

Contact: JOHN EMIG

Contact address: 1205 E ELM ST

MONROE, MI 48161

Contact country: US

Contact telephone: (248) 681-7800

Contact email: Not reported

EPA Region: 05

Classification: Conditionally Exempt Small Quantity Generator

Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:

Owner/operator name: PORT OF MONROE

Owner/operator address: Not reported

Not reported

Owner/operator country: Not reported

Owner/operator telephone: Not reported

Legal status: Municipal

Owner/Operator Type: Operator

Owner/Op start date: 06/18/2006

Owner/Op end date: Not reported

Owner/operator name: PORT OF MONROE

Owner/operator address: Not reported

Not reported

Owner/operator country: Not reported

Owner/operator telephone: Not reported

Legal status: Municipal

Owner/Operator Type: Owner

Owner/Op start date: 06/15/2006

Owner/Op end date: Not reported

Owner/operator name: PORT OF MONROE

Owner/operator address: Not reported

Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PORT OF MONROE (Continued)

1010785301

Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Municipal
Owner/Operator Type: Owner
Owner/Op start date: 06/18/2006
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Hazardous Waste Summary:

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Violation Status: No violations found

D26
SSW
1/8-1/4
0.158 mi.
832 ft.

JEFFERSON SMURFIT CORP
1220 E ELM AVE
MONROE, MI 48161

RCRA-NonGen **1000888185**
FINDS **MI0000254128**
AST

Site 6 of 7 in cluster D

Relative:
Higher

RCRA-NonGen:

Date form received by agency: 03/09/2006
Facility name: HOMRICH INC
Facility address: NE CORNER OF THE INTERSECTION O
MONROE, MI 48162
EPA ID: MI0000254128
Mailing address: 200 MATLIN RD
CARLETON, MI 48117
Contact: ROGER HOMRICH
Contact address: NE CORNER OF THE INTERSECTION O
MONROE, MI 48162
Contact country: US
Contact telephone: (734) 654-9800
Contact email: Not reported
EPA Region: 05
Classification: Non-Generator

Actual:
584 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

JEFFERSON SMURFIT CORP (Continued)

1000888185

Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: NO ACTIVE O/OP AS NOT GENERATING WASTE
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 08/02/2006
Owner/Op end date: Not reported

Owner/operator name: NO ACTIVE O/OP AS NOT GENERATING WASTE
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 08/02/2006
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
Used oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:

Date form received by agency: 05/19/2003
Facility name: HOMRICH INC
Classification: Small Quantity Generator

Date form received by agency: 02/11/1998
Facility name: HOMRICH INC
Site name: JEFFERSON SMURFIT
Classification: Large Quantity Generator

Date form received by agency: 03/21/1994
Facility name: HOMRICH INC
Classification: Not a generator, verified

Hazardous Waste Summary:

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

JEFFERSON SMURFIT CORP (Continued)

1000888185

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Violation Status: No violations found

FINDS:

Registry ID: 110003564018

Environmental Interest/Information System

NCDB (National Compliance Data Base) supports implementation of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) and the Toxic Substances Control Act (TSCA). The system tracks inspections in regions and states with cooperative agreements, enforcement actions, and settlements.

US EPA TRIS (Toxics Release Inventory System) contains information from facilities on the amounts of over 300 listed toxic chemicals that these facilities release directly to air, water, land, or that are transported off-site.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

AST:

Type: CLOSED
Owner Name: AMERIGAS PROPANE
Owner Address: 1220 E ELM AVE
Owner City,St,Zip: MONROE, MI 48134-6029
Owner County: USA
Owner Contact: Not reported
Owner Telephone: (734) 789-9043
Facility ID: 92058106
District: Jackson District Office
Contact: WAYNE MANOR
Facility Phone: (734) 241-5377
Tank ID: 41.9131230000
Tank Status: Not reported
Capacity: Not reported
Install Date: Not reported
Close Date: Not reported
Content: Not reported
Latitude: Not reported
Longitude: -83.3801710000
Date of Collection: 01-11-2001
Accuracy: 100

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

JEFFERSON SMURFIT CORP (Continued)

1000888185

Accuracy Value Unit: FEET
Horizontal Datum: NAD83
Source: Not reported
Point Line Area: Not reported
Description of Category: Not reported
Method of Collection: Not reported

D27
SSW
1/8-1/4
0.158 mi.
832 ft.

UNION CAMP CORP
1109 EAST ELM AVENUE
MONROE, MI 48161

Site 7 of 7 in cluster D

RCRA-TSDF
CORRACTS
RCRA-NonGen
FINDS
UST

1000366794
MID005039490

Relative:
Higher

RCRA-TSDF:

Date form received by agency: 09/10/2002

Facility name: UNION CAMP CORP

Facility address: 1109 E ELM AVE
MONROE, MI 48161

EPA ID: MID005039490

Mailing address: 1220 E ELM AVE
MONROE, MI 48162

Contact: ELDON MCCUE

Contact address: 1109 E ELM AVE
MONROE, MI 48161

Contact country: US

Contact telephone: (313) 241-7700

Contact email: Not reported

EPA Region: 05

Land type: Private

Classification: TSDF

Description: Handler is engaged in the treatment, storage or disposal of hazardous waste

Classification: Non-Generator

Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: UNION CAMP CORP

Owner/operator address: Not reported

Owner/operator address: Not reported

Owner/operator country: Not reported

Owner/operator telephone: Not reported

Legal status: Private

Owner/Operator Type: Operator

Owner/Op start date: 01/01/1970

Owner/Op end date: Not reported

Owner/operator name: UNION CAMP CORP (MID005039490)

Owner/operator address: Not reported

Owner/operator address: Not reported

Owner/operator country: Not reported

Owner/operator telephone: Not reported

Legal status: Private

Owner/Operator Type: Owner

Owner/Op start date: 01/01/1970

Owner/Op end date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

UNION CAMP CORP (Continued)

1000366794

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:

Date form received by agency: 12/31/2001
Facility name: UNION CAMP CORP
Classification: Not a generator, verified

Date form received by agency: 07/28/1995
Facility name: UNION CAMP CORP
Classification: Small Quantity Generator

Date form received by agency: 11/15/1980
Facility name: UNION CAMP CORP
Classification: Not a generator, verified

Date form received by agency: 08/14/1980
Facility name: UNION CAMP CORP
Classification: Small Quantity Generator

Hazardous Waste Summary:

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Corrective Action Summary:

Event date: 09/29/1992
Event: CA Prioritization, Facility or area was assigned a medium corrective action priority.

Event date: 01/09/2006
Event: RFI Workplan Received

Event date: 02/24/2006
Event: RFI Workplan Modification Requested By Agency

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

UNION CAMP CORP (Continued)

1000366794

Event date: 03/22/2006
Event: RFI Supplemental Information Received

Event date: 03/23/2006
Event: RFI Supplemental Information Deemed Satisfactory

Event date: 09/24/2010
Event: RFA Determination Of Need For An RFI, RFI is Not Necessary;

Facility Has Received Notices of Violations:

Regulation violated: Not reported
Area of violation: State Statute or Regulation
Date violation determined: 12/18/2001
Date achieved compliance: Not reported
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 12/18/2001
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Financial Requirements
Date violation determined: 12/01/1988
Date achieved compliance: 09/13/1989
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 12/09/1988
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:

Evaluation date: 09/15/2006
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 02/24/2006
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 06/15/2004
Evaluation: FOCUSED COMPLIANCE INSPECTION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

UNION CAMP CORP (Continued)

1000366794

Evaluation date: 12/18/2001
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: State Statute or Regulation
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 12/01/1988
Evaluation: FOCUSED COMPLIANCE INSPECTION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 12/01/1988
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: TSD - Financial Requirements
Date achieved compliance: 09/13/1989
Evaluation lead agency: State

Evaluation date: 12/01/1988
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 12/02/1987
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

CORRACTS:

EPA ID: MID005039490
EPA Region: 5
Area Name: ENTIRE FACILITY
Actual Date: 1/9/2006
Action: CA110 - RFI Workplan Received
NAICS Code(s): 56291
Remediation Services
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: MID005039490
EPA Region: 5
Area Name: ENTIRE FACILITY
Actual Date: 2/24/2006
Action: CA120 - RFI Workplan Modification Requested By Agency
NAICS Code(s): 56291
Remediation Services
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: MID005039490
EPA Region: 5
Area Name: ENTIRE FACILITY
Actual Date: 3/22/2006
Action: CA160 - RFI Supplemental Information Received

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

UNION CAMP CORP (Continued)

1000366794

NAICS Code(s): 56291
Remediation Services
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: MID005039490
EPA Region: 5
Area Name: ENTIRE FACILITY
Actual Date: 3/23/2006
Action: CA170 - RFI Supplemental Information Deemed Satisfactory
NAICS Code(s): 56291
Remediation Services
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: MID005039490
EPA Region: 5
Area Name: ENTIRE FACILITY
Actual Date: 9/29/1992
Action: CA075ME - CA Prioritization, Facility or area was assigned a medium
corrective action priority
NAICS Code(s): 56291
Remediation Services
Original schedule date: Not reported
Schedule end date: Not reported

FINDS:

Registry ID: 110032987766

Environmental Interest/Information System

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UST:

Facility ID: 00008419
Facility Type: CLOSED
Latitude: 41.9134670000
Longitude: -83.3802910000
Owner Name: Port of Monroe
Owner Address: 2929 E Front StPo Box 585
Owner City,St,Zip: Monroe, MI 48161
Owner Country: Monroe
Owner Contact: Not reported
Owner Phone: (734) 241-6480
Contact: Thomas A Kryston
Contact Phone: (734) 241-6480
Date of Collection: 01-11-2001
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Datum: NAD83

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

UNION CAMP CORP (Continued)

1000366794

Source: STATE OF MICHIGAN
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)
Method of Collection: Address Matching-House Number

Tank ID: 2
Tank Status: **Removed from Ground**
Capacity: 30000
Install Date: Mar 25 1971
Product: Fuel-Oil
Remove Date: Feb 25 2008
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Bare Steel
Piping Type: Suction: No Valve At Tank
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 3
Tank Status: **Removed from Ground**
Capacity: 30000
Install Date: Mar 25 1971
Product: FUEL/OIL
Remove Date: Feb 25 2008
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Bare Steel
Piping Type: Suction: No Valve At Tank
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 5
Tank Status: **Closed in Ground**
Capacity: 1000
Install Date: Mar 24 1956
Product: Kerosene
Remove Date: Mar 10 1999
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Bare Steel
Piping Type: Suction: No Valve At Tank
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 6
Tank Status: **Removed from Ground**
Capacity: 8000
Install Date: Mar 25 1971
Product: LACQUER
Remove Date: Mar 10 2000
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Bare Steel
Piping Type: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

UNION CAMP CORP (Continued)

1000366794

Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 7
Tank Status: Removed from Ground
Capacity: 8000
Install Date: Mar 24 1956
Product: #2/FUEL/OIL
Remove Date: Mar 10 2000
Tank Release Detection: Not reported
Pipe Release Detection: Not reported
Piping Material: Bare Steel
Piping Type: Not reported
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 8
Tank Status: Removed from Ground
Capacity: 1000
Install Date: Not reported
Product: Fuel Oil
Remove Date: Dec 10 2007
Tank Release Detection: Not reported
Pipe Release Detection: Not reported
Piping Material: Bare Steel
Piping Type: Not reported
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

28
ESE
1/8-1/4
0.168 mi.
886 ft.

P & A INDUSTRIES INC
523 DETROIT AVE
MONROE, MI 48162

RCRA-NonGen
FINDS
1000435727
MID005049820

Relative:
Higher

RCRA-NonGen:
Date form received by agency: 12/31/1999
Facility name: P & A INDUSTRIES INC
Facility address: 523 DETROIT AVE
MONROE, MI 48162
EPA ID: MID005049820
Mailing address: PO BOX 737
MONROE, MI 48161
Contact: JOHN LAING
Contact address: 523 DETROIT AVE
MONROE, MI 48162
Contact country: US
Contact telephone: (734) 241-7242
Contact email: Not reported
EPA Region: 05
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Actual:
585 ft.

Owner/Operator Summary:
Owner/operator name: NO ACTIVE O/OP AS NOT GENERATING WASTE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

P & A INDUSTRIES INC (Continued)

1000435727

Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 01/01/2000
Owner/Op end date: Not reported

Owner/operator name: NO ACTIVE O/OP AS NOT GENERATING WASTE
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 01/01/2000
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:

Date form received by agency: 09/29/1986
Facility name: P & A INDUSTRIES INC
Classification: Small Quantity Generator

Hazardous Waste Summary:

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Violation Status: No violations found

FINDS:

Registry ID: 110003578361

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

P & A INDUSTRIES INC (Continued)

1000435727

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

29
SSW
1/8-1/4
0.169 mi.
894 ft.

MI DEPT/TRANSPORTATION
I 75 OVER RAISIN RIVER
MONROE, MI 48161

RCRA-NonGen **1000237982**
FINDS **MID985566041**

Relative:
Lower

RCRA-NonGen:

Date form received by agency: 05/02/1988

Facility name: MI DEPT/TRANSPORTATION

Facility address: I 75 OVER RAISIN RIVER

MONROE, MI 48161

EPA ID: MID985566041

Mailing address: 301 E LOUIS GLICK HWY

JACKSON, MI 49201

Contact: SCOTT WHEELER

Contact address: I 75 OVER RAISIN RIVER

MONROE, MI 48161

Contact country: US

Contact telephone: (517) 784-7172

Contact email: Not reported

EPA Region: 05

Classification: Non-Generator

Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: MICH DEPT OF TRANSPORTATION

Owner/operator address: Not reported

Not reported

Owner/operator country: Not reported

Owner/operator telephone: Not reported

Legal status: State

Owner/Operator Type: Operator

Owner/Op start date: 05/02/1988

Owner/Op end date: Not reported

Owner/operator name: MICH DEPT OF TRANSPORTATION

Owner/operator address: Not reported

Not reported

Owner/operator country: Not reported

Owner/operator telephone: Not reported

Legal status: State

Owner/Operator Type: Owner

Owner/Op start date: 05/02/1988

Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No

Mixed waste (haz. and radioactive): No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MI DEPT/TRANSPORTATION (Continued)

1000237982

Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Hazardous Waste Summary:

Waste code: D001
Waste name:

IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Violation Status: No violations found

FINDS:

Registry ID: 110008453823

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

**E30
SW
1/8-1/4
0.214 mi.
1130 ft.**

**CONSOLIDATED PACKAGING CORP
1521 E. FRONT STREET
MONROE, MI**

**BROWNFIELDS S106515649
N/A**

Site 1 of 6 in cluster E

**Relative:
Lower**

BROWNFIELD:
Facility ID: Not reported
Region: 1
Status: In Progress
Property Use: Not reported
Use at Time of Listing: Not reported
BEA: No
Ernie Id Number: 58000002
Redevelop Status: Not reported

**Actual:
577 ft.**

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

E31
SW
1/8-1/4
0.214 mi.
1130 ft.
CONSOLIDATED PACKAGING CORP
1521 E. FRONT ST.
MONROE, MI 48161
Site 2 of 6 in cluster E

SHWS **S106131741**
N/A

Relative: SHWS:
Lower Facility ID: 58000002
Facility Status: Interim Response in progress
Actual: Source: Paper and Allied Products
577 ft. SAM Score: 33
SAM Score Date: 7/13/2004
Township: 07S
Range: 09E
Section: 34
Quarter: Not reported
Quarter/Quarter: Not reported
Pollutants: Pb; PCBs; Zn; Dioxins

32
North
1/8-1/4
0.215 mi.
1137 ft.
FLORAL CITY TREE SERVICE INC
805 N DIXIE HWY
MONROE, MI 48162

UST **U001147770**
N/A

Relative: UST:
Higher Facility ID: 00036318
Facility Type: CLOSED
Actual: Latitude: 41.9224010000
589 ft. Longitude: -83.3745000000
Owner Name: Floral City Tree Serv Inc
Owner Address: 805 N Dixie Hwy
Owner City,St,Zip: Monroe, MI 48162-2541
Owner Country: USA
Owner Contact: Not reported
Owner Phone: (734) 241-7510
Contact: STEVE MCCOLLUM
Contact Phone: (734) 241-7510
Date of Collection: 01-11-2001
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Datum: NAD83
Source: STATE OF MICHIGAN
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)
Method of Collection: Address Matching-House Number

Tank ID: 1
Tank Status: Removed from Ground
Capacity: 1000
Install Date: Jan 18 1985
Product: Gasoline
Remove Date: Feb 7 1994
Tank Release Detection: Inventory Control,Manual Tank Gauging
Pipe Release Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Suction: No Valve At Tank
Constr Material: Cathodically Protected Steel,Epoxy Coated Steel
Impressed Device: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

E33
SW 1530 E FRONT ST
1/8-1/4 MONROE CITY, MI 48161
0.216 mi.
1142 ft. Site 3 of 6 in cluster E

BEA S109345111
N/A

Relative: BEA:
Lower Secondary Address: Not reported
BEA Number: 930
District: Jackson
Actual: Date Received: 2008-09-22 00:59:00
577 ft. Submitter Name: Prebesto LLC
Petition Determination: No Request
Petition Disclosure: 0
Category: Different Hazardous Substance(s)
Determination 20107A: No Request
Reviewer: spauldie
Division Assigned: RRD

Secondary Address: Not reported
BEA Number: 215
District: Jackson
Date Received: 1999-12-22 00:00:00
Submitter Name: Schonscheck Inc
Petition Determination: Not reported
Petition Disclosure: 1
Category: No Hazardous Substance(s)
Determination 20107A: Not reported
Reviewer: unas_jk
Division Assigned: Not reported

E34 CPC GREEN SPACE
SW 1530 E FRONT ST
1/8-1/4 MONROE, MI 48161
0.216 mi.
1142 ft. Site 4 of 6 in cluster E

DEL SHWS S109952308
N/A

Relative: DELETED HWS:
Lower Facility ID: 58000220
Status: Deleted - available documentation does not support listing
Actual:
577 ft.

E35 PORT OF MONROE SCHONSHECK
SW 1508-1680 EAST FRONT STREET
1/8-1/4 MONROE, MI 48161
0.217 mi.
1146 ft. Site 5 of 6 in cluster E

US BROWNFIELDS 1012172783
N/A

Relative: US BROWNFIELDS:
Lower Recipient name: Downriver Community Conference
Grant type: Assessment Pilot
Actual: Property name: Port of Monroe Schonscheck
577 ft. Property #: Not reported
Parcel size: 10
Latitude: 41.907464
Longitude: -83.378884
HCM label: Not reported
Map scale: Not reported
Point of reference: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PORT OF MONROE SCHONSHECK (Continued)

1012172783

| | |
|-----------------------------------|----------------|
| Datum: | Not reported |
| ACRES property ID: | 13705 |
| Start date: | N/A |
| Completed date: | N/A |
| Acres cleaned up: | Not reported |
| Cleanup funding: | Not reported |
| Cleanup funding source: | Not reported |
| Assessment funding: | Not reported |
| Assessment funding source: | Not reported |
| Redevelopment funding: | Not reported |
| Redev. funding source: | Not reported |
| Redev. funding entity name: | Not reported |
| Redevelopment start date: | N/A |
| Assessment funding entity: | Not reported |
| Cleanup funding entity: | Not reported |
| Grant type: | N/A |
| Accomplishment type: | Not reported |
| Ownership entity: | Not reported |
| Current owner: | Port of Monroe |
| Did owner change: | Not reported |
| Cleanup required: | Yes |
| Video available: | Not reported |
| Photo available: | Not reported |
| Institutional controls required: | Not reported |
| IC Category proprietary controls: | Not reported |
| IC cat. info. devices: | Not reported |
| IC cat. gov. controls: | Not reported |
| IC cat. enforcement permit tools: | Not reported |
| IC in place date: | N/A |
| IC in place: | Unknown |
| Enrolled in state/tribal program: | No |
| State/tribal program date: | N/A |
| State/tribal program ID: | Not reported |
| State/tribal NFA date: | N/A |
| Air contaminated: | Not reported |
| Air cleaned: | Not reported |
| Asbestos found: | Not reported |
| Asbestos cleaned: | Not reported |
| Controlled substance found: | Not reported |
| Controlled substance cleaned: | Not reported |
| Drinking water affected: | Not reported |
| Drinking water cleaned: | Not reported |
| Groundwater affected: | Not reported |
| Groundwater cleaned: | Not reported |
| Lead contaminant found: | Not reported |
| Lead cleaned up: | Not reported |
| No media affected: | Not reported |
| Unknown media affected: | Not reported |
| Other cleaned up: | Not reported |
| Other metals found: | Not reported |
| Other metals cleaned: | Not reported |
| Other contaminants found: | Not reported |
| Other contams found description: | Not reported |
| PAHs found: | Not reported |
| PAHs cleaned up: | Not reported |
| PCBs found: | Not reported |
| PCBs cleaned up: | Not reported |

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PORT OF MONROE SCHONSHECK (Continued)

1012172783

Petro products found: Not reported
Petro products cleaned: Not reported
Sediments found: Not reported
Sediments cleaned: Not reported
Soil affected: Not reported
Soil cleaned up: Not reported
Surface water cleaned: Not reported
Unknown found: Not reported
VOCs found: Not reported
VOCs cleaned: Not reported
Cleanup other description: Not reported
Num. of cleanup and re-dev. jobs: Not reported
Past use greenspace acreage: Not reported
Past use residential acreage: Not reported
Past use commercial acreage: Not reported
Past use industrial acreage: Not reported
Future use greenspace acreage: Not reported
Future use residential acreage: Not reported
Future use commercial acreage: Not reported
Future use industrial acreage: Not reported
Greenspace acreage and type: Not reported
Superfund Fed. landowner flag: Not reported

Property Description: industrial paper manufacturing

E36
SW
1/8-1/4
0.218 mi.
1152 ft.

MICHIGAN SITE NETWORK
1521 EAST FRONT STREET
MONROE, MI 48162

BROWNFIELDS **S108419421**
N/A

Site 6 of 6 in cluster E

Relative:
Lower

Actual:
577 ft.
F37
East
1/8-1/4
0.218 mi.
1153 ft.

ACTUATOR SPECIALTIES INC
1620 ROSE ST
MONROE, MI 48162

RCRA-CESQG **1007990050**
MIK578357873

Site 1 of 2 in cluster F

Relative:
Higher

RCRA-CESQG:

Date form received by agency: 01/24/2005

Facility name: ACTUATOR SPECIALTIES INC

Facility address: 1620 ROSE ST
MONROE, MI 48162

EPA ID: MIK578357873

Contact: RANDY WRIGHT

Contact address: 1620 ROSE ST
MONROE, MI 48162

Contact country: US

Contact telephone: (734) 269-2944

Contact email: Not reported

EPA Region: 05

Classification: Conditionally Exempt Small Quantity Generator

Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ACTUATOR SPECIALTIES INC (Continued)

1007990050

waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:

Owner/operator name: ACUATOR SPECIALTIES INC
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 01/01/2005
Owner/Op end date: Not reported

Owner/operator name: ACUATOR SPECIALTIES INC
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 01/01/2005
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Hazardous Waste Summary:

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ACTUATOR SPECIALTIES INC (Continued)

1007990050

MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Violation Status: No violations found

F38
East
1/8-1/4
0.225 mi.
1190 ft.

ADVANCED HEAT TREAT CORP
1625 ROSE ST
MONROE, MI 48162

RCRA-CESQG **1004724851**
FINDS **MIR000016212**

Site 2 of 2 in cluster F

Relative:
Higher

RCRA-CESQG:

Date form received by agency: 05/25/2010

Facility name: ADVANCED HEAT TREAT CORP

Facility address: 1625 ROSE ST
MONROE, MI 48162

EPA ID: MIR000016212

Contact: JEFF MACHEINSKI

Contact address: 1625 ROSE ST
MONROE, MI 48162

Contact country: US

Contact telephone: (313) 243-0063

Contact email: Not reported

EPA Region: 05

Land type: Private

Classification: Large Quantity Generator

Description: Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Classification: Conditionally Exempt Small Quantity Generator

Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:

Owner/operator name: ADVANCED HEAT TREAT CORP-GARY SHARP

Owner/operator address: Not reported

Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ADVANCED HEAT TREAT CORP (Continued)

1004724851

Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 01/01/1970
Owner/Op end date: Not reported

Owner/operator name: ADVANCED HEAT TREAT CORP-GARY SHARP
Owner/operator address: Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 01/01/1970
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:

Date form received by agency: 06/28/1996
Facility name: ADVANCED HEAT TREAT CORP
Classification: Conditionally Exempt Small Quantity Generator

Hazardous Waste Summary:

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Facility Has Received Notices of Violations:

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 09/15/2010
Date achieved compliance: 11/29/2010
Violation lead agency: State

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ADVANCED HEAT TREAT CORP (Continued)

1004724851

Enforcement action: WRITTEN INFORMAL
Enforcement action date: 09/23/2010
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - Manifest
Date violation determined: 09/15/2010
Date achieved compliance: 11/29/2010
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 09/23/2010
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Used Oil - Generators
Date violation determined: 09/15/2010
Date achieved compliance: 11/29/2010
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 09/23/2010
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: State Statute or Regulation
Date violation determined: 09/15/2010
Date achieved compliance: 11/29/2010
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 09/23/2010
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - Records/Reporting
Date violation determined: 09/15/2010
Date achieved compliance: 11/29/2010
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ADVANCED HEAT TREAT CORP (Continued)

1004724851

Enforcement action date: 09/23/2010
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - Pre-transport
Date violation determined: 09/15/2010
Date achieved compliance: 11/29/2010
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 09/23/2010
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:

Evaluation date: 09/15/2010
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Manifest
Date achieved compliance: 11/29/2010
Evaluation lead agency: State

Evaluation date: 09/15/2010
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Pre-transport
Date achieved compliance: 11/29/2010
Evaluation lead agency: State

Evaluation date: 09/15/2010
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 11/29/2010
Evaluation lead agency: State

Evaluation date: 09/15/2010
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Records/Reporting
Date achieved compliance: 11/29/2010
Evaluation lead agency: State

Evaluation date: 09/15/2010
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: State Statute or Regulation
Date achieved compliance: 11/29/2010
Evaluation lead agency: State

Evaluation date: 09/15/2010
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Used Oil - Generators
Date achieved compliance: 11/29/2010

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ADVANCED HEAT TREAT CORP (Continued)

1004724851

Evaluation lead agency: State

FINDS:

Registry ID: 110000405972

Environmental Interest/Information System

AFS (Aerometric Information Retrieval System (AIRS) Facility Subsystem) replaces the former Compliance Data System (CDS), the National Emission Data System (NEDS), and the Storage and Retrieval of Aerometric Data (SAROAD). AIRS is the national repository for information concerning airborne pollution in the United States. AFS is used to track emissions and compliance data from industrial plants. AFS data are utilized by states to prepare State Implementation Plans to comply with regulatory programs and by EPA as an input for the estimation of total national emissions. AFS is undergoing a major redesign to support facility operating permits required under Title V of the Clean Air Act.

The NEI (National Emissions Inventory) database contains information on stationary and mobile sources that emit criteria air pollutants and their precursors, as well as hazardous air pollutants (HAPs).

US EPA TRIS (Toxics Release Inventory System) contains information from facilities on the amounts of over 300 listed toxic chemicals that these facilities release directly to air, water, land, or that are transported off-site.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

G39
SW
1/8-1/4
0.228 mi.
1205 ft.

MONROE PAPER COMPANY
1200 E. ELM AVENUE
MONROE, MI 48161

DEL SHWS **S105966012**
N/A

Site 1 of 3 in cluster G

Relative:
Higher

DELETED HWS:

Facility ID: 58000048
Status: Delisted - no longer meets criteria specified in rules

Actual:
580 ft.

G40
SW
1/8-1/4
0.228 mi.
1205 ft.

1200 EAST ELM AVENUE
MONROE, MI

BEA **S110482747**
N/A

Site 2 of 3 in cluster G

Relative:
Higher

BEA:

Secondary Address: Not reported
BEA Number: 372
District: Southeast MI
Date Received: 1997-06-26 00:00:00

Actual:
580 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

(Continued)

S110482747

Submitter Name: Monroe Building Authority
Petition Determination: Not reported
Petition Disclosure: 0
Category: No Hazardous Substance(s)
Determination 20107A: Not reported
Reviewer: unas_lv
Division Assigned: Not reported

G41 **MONROE PAPER CO**
SW **1109 E ELM AVE**
1/8-1/4 **MONROE, MI 48162**
0.231 mi.
1219 ft. **Site 3 of 3 in cluster G**

UST **U000715407**
N/A

Relative:
Lower

UST:

Actual:
576 ft.

Facility ID: 00035792
Facility Type: CLOSED
Latitude: 41.9138700000
Longitude: -83.3816430000
Owner Name: Monroe Paper Co
Owner Address: 1205 E Elm Ave
Owner City,St,Zip: Monroe, MI 48162-2522
Owner Country: USA
Owner Contact: Not reported
Owner Phone: (734) 241-7700
Contact: ALLAN LOUX
Contact Phone: (734) 241-7700
Date of Collection: 01-11-2001
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Datum: NAD83
Source: STATE OF MICHIGAN
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)
Method of Collection: Address Matching-House Number

Tank ID: 8
Tank Status: **Removed from Ground**
Capacity: 500
Install Date: Not reported
Product: HYDRAULIC OIL
Remove Date: Jul 17 1992
Tank Release Detection: Not reported
Pipe Release Detection: Not reported
Piping Material: Bare Steel
Piping Type: Pressure
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

42
SSW
1/8-1/4
0.237 mi.
1254 ft.

MONROE MET. WASTEWATER TREATMENT
2205 E FRONT ST
MONROE, MI 48161

LUST
UST

1000527288
N/A

Relative:
Higher

LUST:

Facility ID: 00034476
Source: STATE OF MICHIGAN
Owner Name: Monroe County
Owner Address: 51 S Macomb St
Owner City,St,Zip: Monroe, MI 48161-2136
Owner Contact: Not reported
Owner Phone: (734) 243-7118
Country: USA
District: Jackson District Office
Site Name: Monroe Metropolitan Area Wwtp
Latitude: 41.9015250000
Longitude: -83.3689660000
Date of Collection: 01-11-2001
Method of Collection: Address Matching-House Number
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Data: NAD83
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)

Leak Number: C-1006-90
Release Date: Jun 6 1990
Substance Released: Not reported
Release Status: Closed
Release Closed Date: Aug 24 1990

UST:

Facility ID: 00034476
Facility Type: CLOSED
Latitude: 41.9015250000
Longitude: -83.3689660000
Owner Name: Monroe County
Owner Address: 51 S Macomb St
Owner City,St,Zip: Monroe, MI 48161-2136
Owner Country: USA
Owner Contact: Not reported
Owner Phone: (734) 243-7118
Contact: EVE M. AVENDT
Contact Phone: (734) 243-7118
Date of Collection: 01-11-2001
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Datum: NAD83
Source: STATE OF MICHIGAN
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)
Method of Collection: Address Matching-House Number

Tank ID: 1
Tank Status: **Removed from Ground**
Capacity: 12000
Install Date: Sep 1 1986
Product: Hazardous Substance

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MONROE MET. WASTEWATER TREATMENT (Continued)

1000527288

Remove Date: Jun 11 1990
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Fiberglass reinforced plastic
Piping Type: Not reported
Constr Material: Fiberglass Reinforced plastic
Impressed Device: No

43
WSW
1/4-1/2
0.282 mi.
1491 ft.

B & A STANDARD SERVICE
1031 E ELM AVE
MONROE, MI 48162

LUST **U003082611**
UST **N/A**

Relative:
Higher

LUST:

Actual:
583 ft.

Facility ID: 00019292
Source: STATE OF MICHIGAN
Owner Name: B & A Standard Serv
Owner Address: 1031 E Elm Ave
Owner City,St,Zip: Monroe, MI 48162-2520
Owner Contact: Not reported
Owner Phone: (734) 241-1818
Country: USA
District: Jackson District Office
Site Name: B & A Standard Service
Latitude: 41.9141440000
Longitude: -83.3825760000
Date of Collection: 01-11-2001
Method of Collection: Address Matching-House Number
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Data: NAD83
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)

Leak Number: C-0105-99
Release Date: Feb 4 1999
Substance Released: Unknown
Release Status: Closed
Release Closed Date: May 27 1999

Leak Number: C-0222-99
Release Date: Mar 4 1999
Substance Released: Unknown
Release Status: Closed
Release Closed Date: Oct 9 2000

UST:

Facility ID: 00019292
Facility Type: CLOSED
Latitude: 41.9141440000
Longitude: -83.3825760000
Owner Name: B & A Standard Serv
Owner Address: 1031 E Elm Ave
Owner City,St,Zip: Monroe, MI 48162-2520
Owner Country: USA
Owner Contact: Not reported
Owner Phone: (734) 241-1818

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

B & A STANDARD SERVICE (Continued)

U003082611

Contact: HAROLD SCHREIBER
Contact Phone: (734) 241-1818
Date of Collection: 01-11-2001
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Datum: NAD83
Source: STATE OF MICHIGAN
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)
Method of Collection: Address Matching-House Number

Tank ID: 1
Tank Status: **Removed from Ground**
Capacity: 250
Install Date: Apr 29 1976
Product: Used Oil
Remove Date: Mar 4 1999
Tank Release Detection: Not reported
Pipe Release Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Not reported
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 2
Tank Status: **Removed from Ground**
Capacity: 1000
Install Date: Not reported
Product: UNKNOWN
Remove Date: Mar 4 1999
Tank Release Detection: Not reported
Pipe Release Detection: Not reported
Piping Material: Unknown
Piping Type: Not reported
Constr Material: Unknown
Impressed Device: No

H44
SW
1/4-1/2
0.285 mi.
1504 ft.

CONSOLIDATED PACKAGING CORP
1521 E. FIRST STREET
MONROE, MI 48161

Site 1 of 2 in cluster H

CERCLIS 1000383846
RCRA-CESQG MID980999882
PADS
FINDS

Relative:
Higher

CERCLIS:
Site ID: 0503277
EPA ID: MID980999882
Facility County: MONROE
Short Name: CONSOLIDATED PACKAGING CO
Congressional District: 08
IFMS ID: B5GK
SMSA Number: 8400
USGC Hydro Unit: 04100002
Federal Facility: Not a Federal Facility
DMNSN Number: Not reported
Site Orphan Flag: N
RCRA ID: Not reported
USGS Quadrangle: Not reported

Actual:
581 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CONSOLIDATED PACKAGING CORP (Continued)

1000383846

Site Init By Prog: Not reported
NFRAP Flag: Not reported
Parent ID: Not reported
RST Code: Not reported
EPA Region: 05
Classification: Not reported
Site Settings Code: Not reported
NPL Status: Not on the NPL
DMNSN Unit Code: Not reported
RBRAC Code: Not reported
RResp Fed Agency Code: Not reported
Non NPL Status: HRS Start Needed
Non NPL Status Date: 20020710
Site Fips Code: 26115
CC Concurrence Date: Not reported
CC Concurrence FY: Not reported
Alias EPA ID: Not reported
Site FUDS Flag: Not reported

Alias Comments: Not reported
Site Description: Not reported

CERCLIS Assessment History:

Action Code: 001
Action: DISCOVERY
Date Started: Not reported
Date Completed: 10/28/1985
Priority Level: Not reported
Operable Unit: SITEWIDE
Primary Responsibility: State, Fund Financed
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001
Action: PRELIMINARY ASSESSMENT
Date Started: Not reported
Date Completed: 12/10/1985
Priority Level: Higher priority for further assessment
Operable Unit: SITEWIDE
Primary Responsibility: State, Fund Financed
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001
Action: SITE INSPECTION
Date Started: Not reported
Date Completed: 04/01/1987
Priority Level: Higher priority for further assessment
Operable Unit: SITEWIDE
Primary Responsibility: EPA Fund-Financed

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CONSOLIDATED PACKAGING CORP (Continued)

1000383846

Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

[Click this hyperlink](#) while viewing on your computer to access additional US CERCLIS Financial: detail in the EDR Site Report.

RCRA-CESQG:

Date form received by agency: 03/01/2002
Facility name: FORMER NORTHSIDE CONSOLIDATED PLT
Facility address: 921 E ELM AVE
MONROE, MI 48162
EPA ID: MID980999882
Mailing address: 120 EAST FIRST ST
MONROE, MI 48162
Contact: DONALD LINK
Contact address: Not reported
Not reported
Contact country: Not reported
Contact telephone: (734) 243-0700
Contact email: Not reported
EPA Region: 05
Classification: Conditionally Exempt Small Quantity Generator
Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:

Owner/operator name: MONROE CITY OF
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Municipal
Owner/Operator Type: Operator
Owner/Op start date: 01/01/1987
Owner/Op end date: Not reported

Owner/operator name: MONROE CITY OF
Owner/operator address: Not reported
Not reported
Owner/operator country: US
Owner/operator telephone: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CONSOLIDATED PACKAGING CORP (Continued)

1000383846

Legal status: Municipal
Owner/Operator Type: Owner
Owner/Op start date: 01/01/1987
Owner/Op end date: Not reported

Owner/operator name: NAME NOT REPORTED
Owner/operator address: Not reported
Not reported

Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Municipal
Owner/Operator Type: Operator
Owner/Op start date: 01/01/1970
Owner/Op end date: Not reported

Owner/operator name: MONROE CITY OF
Owner/operator address: Not reported
Not reported

Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Municipal
Owner/Operator Type: Owner
Owner/Op start date: 01/01/1987
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:

Date form received by agency: 12/31/2001
Facility name: FORMER NORTHSIDE CONSOLIDATED PLT
Site name: NORTHSIDE CONSOLIDATED PLT
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 12/30/2001
Facility name: FORMER NORTHSIDE CONSOLIDATED PLT
Site name: NORTHSIDE CONSOLIDATED PLT
Classification: Large Quantity Generator

Date form received by agency: 11/16/1987
Facility name: FORMER NORTHSIDE CONSOLIDATED PLT
Site name: NORTHSIDE CONSOLIDATED PLT

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CONSOLIDATED PACKAGING CORP (Continued)

1000383846

Classification: Large Quantity Generator

Hazardous Waste Summary:

Waste code: D001

Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Violation Status: No violations found

PADS:

EPAID: MID980999882

Facility name: FORMER NORTHSIDE CONSOLIDATED PLT

Facility Address: 921 E ELM ST
MONROE, MI 48162

Facility country: US

Generator: No

Storer: No

Transporter: No

Disposer: No

Research facility: No

Smelter: No

Facility owner name: CITY OF MONROE

Contact title: SENIOR ENVIRONMENTAL SPECIALIST

Contact name: MARK J. QUIMBY

Contact tel: (734) 454-9900

Contact extension: Not reported

Mailing address: 120 EAST FIRST ST
MONROE, MI 48161

Mailing country: US

Cert. title: PLANNER I

Cert. name: MATT WALLACE

Cert. date: 6/5/2008

Date received: 7/14/2008

FINDS:

Registry ID: 110003618265

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

ICIS (Integrated Compliance Information System) is the Integrated Compliance Information System and provides a database that, when complete, will contain integrated Enforcement and Compliance information across most of EPA's programs. The vision for ICIS is to replace EPA's independent databases that contain Enforcement data with a single repository for that information. Currently, ICIS contains all

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CONSOLIDATED PACKAGING CORP (Continued)

1000383846

Federal Administrative and Judicial enforcement actions. This information is maintained in ICIS by EPA in the Regional offices and it Headquarters. A future release of ICIS will replace the Permit Compliance System (PCS) which supports the NPDES and will integrate that information with Federal actions already in the system. ICIS also has the capability to track other activities occurring in the Region that support Compliance and Enforcement programs. These include; Incident Tracking, Compliance Assistance, and Compliance Monitoring.

**H45
SW
1/4-1/2
0.289 mi.
1525 ft.**

**DETROIT STOKER COMPANY
1510 E FIRST ST
MONROE, MI 48161
Site 2 of 2 in cluster H**

**RCRA-SQG
FINDS
LUST
UST**

**1000366940
MID005053442**

**Relative:
Higher**

RCRA-SQG:

**Actual:
581 ft.**

Date form received by agency: 04/14/2010
Facility name: DETROIT STOKER CO
Facility address: 1510 E 1ST ST
MONROE, MI 48161
EPA ID: MID005053442
Contact: HERBERT GUY
Contact address: 1510 E 1ST ST
MONROE, MI 48161
Contact country: US
Contact telephone: (734) 241-9500
Contact email: Not reported
EPA Region: 05
Land type: Private
Classification: Conditionally Exempt Small Quantity Generator
Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:

Owner/operator name: DETROIT STOKER COMPANY
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 01/01/1923
Owner/Op end date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DETROIT STOKER COMPANY (Continued)

1000366940

Owner/operator name: NEWCASTLE PARTNERS LP
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 12/29/2006
Owner/Op end date: Not reported

Owner/operator name: NEWCASTLE PARTNERS LP
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 12/29/2006
Owner/Op end date: Not reported

Owner/operator name: UNITED INDUSTRIAL CORP
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 01/01/1923
Owner/Op end date: Not reported

Owner/operator name: DETROIT STOKER COMPANY
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 01/01/1923
Owner/Op end date: Not reported

Owner/operator name: UNITED INDUSTRIAL CORP
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 01/01/1923
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DETROIT STOKER COMPANY (Continued)

1000366940

On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
Used oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:

Date form received by agency: 03/18/2009
Facility name: DETROIT STOKER CO
Classification: Small Quantity Generator

Date form received by agency: 04/21/2008
Facility name: DETROIT STOKER CO
Classification: Small Quantity Generator

Date form received by agency: 02/19/2007
Facility name: DETROIT STOKER CO
Classification: Small Quantity Generator

Date form received by agency: 02/23/2006
Facility name: DETROIT STOKER CO
Classification: Small Quantity Generator

Date form received by agency: 02/20/2004
Facility name: DETROIT STOKER CO
Classification: Small Quantity Generator

Date form received by agency: 03/12/2003
Facility name: DETROIT STOKER CO
Classification: Small Quantity Generator

Date form received by agency: 08/09/2002
Facility name: DETROIT STOKER CO
Classification: Small Quantity Generator

Date form received by agency: 06/08/1998
Facility name: DETROIT STOKER CO
Classification: Small Quantity Generator

Date form received by agency: 03/08/1984
Facility name: DETROIT STOKER CO
Classification: Small Quantity Generator

Hazardous Waste Summary:

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DETROIT STOKER COMPANY (Continued)

1000366940

Facility Has Received Notices of Violations:

Regulation violated: Not reported
Area of violation: Generators - Pre-transport
Date violation determined: 05/14/1998
Date achieved compliance: 08/04/1998
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 05/14/1998
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 04/04/1988
Date achieved compliance: 06/22/1988
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 04/19/1988
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:

Evaluation date: 08/04/1998
Evaluation: FOLLOW-UP INSPECTION
Area of violation: Generators - Pre-transport
Date achieved compliance: 08/04/1998
Evaluation lead agency: State

Evaluation date: 05/05/1998
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Pre-transport
Date achieved compliance: 08/04/1998
Evaluation lead agency: State

Evaluation date: 04/04/1988
Evaluation: FOCUSED COMPLIANCE INSPECTION
Area of violation: Generators - General
Date achieved compliance: 06/22/1988
Evaluation lead agency: State

FINDS:

Registry ID: 110001840946

Environmental Interest/Information System

AFS (Aerometric Information Retrieval System (AIRS) Facility Subsystem) replaces the former Compliance Data System (CDS), the National Emission Data System (NEDS), and the Storage and Retrieval of Aerometric Data (SAROAD). AIRS is the national repository for

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DETROIT STOKER COMPANY (Continued)

1000366940

information concerning airborne pollution in the United States. AFS is used to track emissions and compliance data from industrial plants. AFS data are utilized by states to prepare State Implementation Plans to comply with regulatory programs and by EPA as an input for the estimation of total national emissions. AFS is undergoing a major redesign to support facility operating permits required under Title V of the Clean Air Act.

The NEI (National Emissions Inventory) database contains information on stationary and mobile sources that emit criteria air pollutants and their precursors, as well as hazardous air pollutants (HAPs).

US EPA TRIS (Toxics Release Inventory System) contains information from facilities on the amounts of over 300 listed toxic chemicals that these facilities release directly to air, water, land, or that are transported off-site.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

LUST:

Facility ID: 00006927
Source: STATE OF MICHIGAN
Owner Name: Detroit Stoker Co
Owner Address: 1510 E 1st St
Owner City,St,Zip: Monroe, MI 48161-1915
Owner Contact: Not reported
Owner Phone: (734) 243-4402
Country: USA
District: Jackson District Office
Site Name: Detroit Stoker Co.
Latitude: 41.9075000000
Longitude: -83.3817260000
Date of Collection: 01-11-2001
Method of Collection: Address Matching-House Number
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Data: NAD83
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)

Leak Number: C-1016-93
Release Date: Sep 7 1993
Substance Released: Other,Unknown
Release Status: Closed
Release Closed Date: Jul 28 1994

UST:

Facility ID: 00006927
Facility Type: CLOSED
Latitude: 41.9075000000
Longitude: -83.3817260000

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DETROIT STOKER COMPANY (Continued)

1000366940

Owner Name: Detroit Stoker Co
Owner Address: 1510 E 1st St
Owner City,St,Zip: Monroe, MI 48161-1915
Owner Country: USA
Owner Contact: Not reported
Owner Phone: (734) 243-4402
Contact: HERBERT PRIEST
Contact Phone: (734) 243-4402
Date of Collection: 01-11-2001
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Datum: NAD83
Source: STATE OF MICHIGAN
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)
Method of Collection: Address Matching-House Number

Tank ID: 1
Tank Status: **Removed from Ground**
Capacity: 500
Install Date: Mar 4 1971
Product: Gasoline
Remove Date: Sep 30 1990
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Bare Steel
Piping Type: Not reported
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 2
Tank Status: **Closed in Ground**
Capacity: 10000
Install Date: Not reported
Product: SHOCK/ABSORBER/OIL
Remove Date: May 16 1994
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Unknown
Piping Type: Suction: No Valve At Tank
Constr Material: Unknown
Impressed Device: No

46
WSW
1/4-1/2
0.335 mi.
1769 ft.

CPC-NORTHSIDE
921 E. ELM STREET
MONROE, MI

SHWS S105144466
N/A

Relative:
Higher

SHWS:
Facility ID: 58000170
Facility Status: **Interim Response in progress**
Source: Paper and Allied Products
SAM Score: 16
SAM Score Date: 7/13/2004
Township: Not reported
Range: Not reported

Actual:
588 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CPC-NORTHSIDE (Continued)

S105144466

Section: Not reported
Quarter: Not reported
Quarter/Quarter: Not reported
Pollutants: 1,4-Dioxane; PCBs; Petroleum

47
WSW
1/4-1/2
0.345 mi.
1822 ft.

1250 E FIRST ST
1250 E FIRST ST.
MONROE, MI 48161

SHWS S110126736
N/A

Relative:
Higher

SHWS:
Facility ID: 58000215
Facility Status: Evaluation conducted
Source: Not reported
SAM Score: 28
SAM Score Date: 6/20/2005
Township: 07S
Range: 09E
Section: 8
Quarter: Not reported
Quarter/Quarter: Not reported
Pollutants: Not reported

Actual:
582 ft.

48
WSW
1/4-1/2
0.376 mi.
1987 ft.

MASON RUN DEVELOPMENT
NORTH OF EAST ELM AND WEST OF DIXIE HIGHWAY
MONROE, MI 48161

US BROWNFIELDS 1009310280
N/A

Relative:
Higher

US BROWNFIELDS:
Recipient name: Monroe, City of
Grant type: BCRLF Pilot
Property name: Mason Run Development
Property #: Not reported
Parcel size: 14
Latitude: 41.907337
Longitude: -83.405334
HCM label: Not reported
Map scale: Not reported
Point of reference: Not reported
Datum: Not reported
ACRES property ID: 16781
Start date: 04/11/2004
Completed date: 04/11/2004
Acres cleaned up: 14
Cleanup funding: \$4,375,000.00
Cleanup funding source: Local Funding
Assessment funding: Not reported
Assessment funding source: Not reported
Redevelopment funding: \$19,000,000.00
Redev. funding source: Private/Other Fundin
Redev. funding entity name: Not reported
Redevelopment start date: 09/30/2005
Assessment funding entity: Not reported
Cleanup funding entity: Not reported

Actual:
588 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MASON RUN DEVELOPMENT (Continued)

1009310280

| | |
|---------------------------------------|--------------------|
| Grant type: | N/A |
| Accomplishment type: | Not reported |
| Ownership entity: | Government |
| Current owner: | City of Monroe, MI |
| Did owner change: | Not reported |
| Cleanup required: | Yes |
| Video available: | Not reported |
| Photo available: | Yes |
| Institutional controls required: | Yes |
| IC Category proprietary controls: | Not reported |
| IC cat. info. devices: | Not reported |
| IC cat. gov. controls: | Not reported |
| IC cat. enforcement permit tools: | Not reported |
| IC in place date: | N/A |
| IC in place: | Unknown |
| Enrolled in state/tribal program: | No |
| State/tribal program date: | N/A |
| State/tribal program ID: | Not reported |
| State/tribal NFA date: | N/A |
| Air contaminated: | Not reported |
| Air cleaned: | Not reported |
| Asbestos found: | Not reported |
| Asbestos cleaned: | Not reported |
| Controlled substance found: | Not reported |
| Controlled substance cleaned: | Not reported |
| Drinking water affected: | Not reported |
| Drinking water cleaned: | Not reported |
| Groundwater affected: | Not reported |
| Groundwater cleaned: | Not reported |
| Lead contaminant found: | Not reported |
| Lead cleaned up: | Not reported |
| No media affected: | Not reported |
| Unknown media affected: | Not reported |
| Other cleaned up: | Not reported |
| Other metals found: | Yes |
| Other metals cleaned: | Yes |
| Other contaminants found: | Not reported |
| Other contaminants found description: | Not reported |
| PAHs found: | Yes |
| PAHs cleaned up: | Yes |
| PCBs found: | Not reported |
| PCBs cleaned up: | Not reported |
| Petro products found: | Not reported |
| Petro products cleaned: | Not reported |
| Sediments found: | Not reported |
| Sediments cleaned: | Not reported |
| Soil affected: | Yes |
| Soil cleaned up: | Yes |
| Surface water cleaned: | Not reported |
| Unknown found: | Not reported |
| VOCs found: | Not reported |
| VOCs cleaned: | Not reported |
| Cleanup other description: | Not reported |
| Num. of cleanup and re-dev. jobs: | Not reported |
| Past use greenspace acreage: | Not reported |
| Past use residential acreage: | Not reported |
| Past use commercial acreage: | Not reported |

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MASON RUN DEVELOPMENT (Continued)

1009310280

Past use industrial acreage: Not reported
Future use greenspace acreage: Not reported
Future use residential acreage: Not reported
Future use commercial acreage: Not reported
Future use industrial acreage: Not reported
Greenspace acreage and type: Not reported
Superfund Fed. landowner flag: Not reported

Recipient name: Monroe, City of
Grant type: BCRLF Pilot
Property name: Mason Run Development
Property #: Not reported
Parcel size: 14
Latitude: 41.907337
Longitude: -83.405334
HCM label: Not reported
Map scale: Not reported
Point of reference: Not reported
Datum: Not reported
ACRES property ID: 16781
Start date: 04/11/2004
Completed date: 04/11/2004
Acres cleaned up: 14
Cleanup funding: \$955,000.00
Cleanup funding source: US EPA - Brownfields RLF Loan
Assessment funding: Not reported
Assessment funding source: Not reported
Redevelopment funding: \$19,000,000.00
Redev. funding source: Private/Other Fundin
Redev. funding entity name: Not reported
Redevelopment start date: 09/30/2005
Assessment funding entity: Not reported
Cleanup funding entity: Not reported
Grant type: N/A
Accomplishment type: Not reported
Ownership entity: Government
Current owner: City of Monroe, MI
Did owner change: Not reported
Cleanup required: Yes
Video available: Not reported
Photo available: Yes
Institutional controls required: Yes
IC Category proprietary controls: Not reported
IC cat. info. devices: Not reported
IC cat. gov. controls: Not reported
IC cat. enforcement permit tools: Not reported
IC in place date: N/A
IC in place: Unknown
Enrolled in state/tribal program: No
State/tribal program date: N/A
State/tribal program ID: Not reported
State/tribal NFA date: N/A
Air contaminated: Not reported
Air cleaned: Not reported
Asbestos found: Not reported
Asbestos cleaned: Not reported
Controlled substance found: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MASON RUN DEVELOPMENT (Continued)

1009310280

Controlled substance cleaned: Not reported
Drinking water affected: Not reported
Drinking water cleaned: Not reported
Groundwater affected: Not reported
Groundwater cleaned: Not reported
Lead contaminant found: Not reported
Lead cleaned up: Not reported
No media affected: Not reported
Unknown media affected: Not reported
Other cleaned up: Not reported
Other metals found: Yes
Other metals cleaned: Yes
Other contaminants found: Not reported
Other contams found description: Not reported
PAHs found: Yes
PAHs cleaned up: Yes
PCBs found: Not reported
PCBs cleaned up: Not reported
Petro products found: Not reported
Petro products cleaned: Not reported
Sediments found: Not reported
Sediments cleaned: Not reported
Soil affected: Yes
Soil cleaned up: Yes
Surface water cleaned: Not reported
Unknown found: Not reported
VOCs found: Not reported
VOCs cleaned: Not reported
Cleanup other description: Not reported
Num. of cleanup and re-dev. jobs: Not reported
Past use greenspace acreage: Not reported
Past use residential acreage: Not reported
Past use commercial acreage: Not reported
Past use industrial acreage: Not reported
Future use greenspace acreage: Not reported
Future use residential acreage: Not reported
Future use commercial acreage: Not reported
Future use industrial acreage: Not reported
Greenspace acreage and type: Not reported
Superfund Fed. landowner flag: Not reported

Recipient name: Monroe, City of
Grant type: BCRLF Pilot
Property name: Mason Run Development
Property #: Not reported
Parcel size: 14
Latitude: 41.907337
Longitude: -83.405334
HCM label: Not reported
Map scale: Not reported
Point of reference: Not reported
Datum: Not reported
ACRES property ID: 16781
Start date: 04/11/2004
Completed date: 04/11/2004
Acres cleaned up: 14
Cleanup funding: \$1,800,000.00

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MASON RUN DEVELOPMENT (Continued)

1009310280

| | |
|-----------------------------------|---|
| Cleanup funding source: | State/Tribal Funding (non-section 128(a)) |
| Assessment funding: | Not reported |
| Assessment funding source: | Not reported |
| Redevelopment funding: | \$19,000,000.00 |
| Redev. funding source: | Private/Other Fundin |
| Redev. funding entity name: | Not reported |
| Redevelopment start date: | 09/30/2005 |
| Assessment funding entity: | Not reported |
| Cleanup funding entity: | Not reported |
| Grant type: | N/A |
| Accomplishment type: | Not reported |
| Ownership entity: | Government |
| Current owner: | City of Monroe, MI |
| Did owner change: | Not reported |
| Cleanup required: | Yes |
| Video available: | Not reported |
| Photo available: | Yes |
| Institutional controls required: | Yes |
| IC Category proprietary controls: | Not reported |
| IC cat. info. devices: | Not reported |
| IC cat. gov. controls: | Not reported |
| IC cat. enforcement permit tools: | Not reported |
| IC in place date: | N/A |
| IC in place: | Unknown |
| Enrolled in state/tribal program: | No |
| State/tribal program date: | N/A |
| State/tribal program ID: | Not reported |
| State/tribal NFA date: | N/A |
| Air contaminated: | Not reported |
| Air cleaned: | Not reported |
| Asbestos found: | Not reported |
| Asbestos cleaned: | Not reported |
| Controlled substance found: | Not reported |
| Controlled substance cleaned: | Not reported |
| Drinking water affected: | Not reported |
| Drinking water cleaned: | Not reported |
| Groundwater affected: | Not reported |
| Groundwater cleaned: | Not reported |
| Lead contaminant found: | Not reported |
| Lead cleaned up: | Not reported |
| No media affected: | Not reported |
| Unknown media affected: | Not reported |
| Other cleaned up: | Not reported |
| Other metals found: | Yes |
| Other metals cleaned: | Yes |
| Other contaminants found: | Not reported |
| Other contams found description: | Not reported |
| PAHs found: | Yes |
| PAHs cleaned up: | Yes |
| PCBs found: | Not reported |
| PCBs cleaned up: | Not reported |
| Petro products found: | Not reported |
| Petro products cleaned: | Not reported |
| Sediments found: | Not reported |
| Sediments cleaned: | Not reported |
| Soil affected: | Yes |
| Soil cleaned up: | Yes |

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MASON RUN DEVELOPMENT (Continued)

1009310280

Surface water cleaned: Not reported
Unknown found: Not reported
VOCs found: Not reported
VOCs cleaned: Not reported
Cleanup other description: Not reported
Num. of cleanup and re-dev. jobs: Not reported
Past use greenspace acreage: Not reported
Past use residential acreage: Not reported
Past use commercial acreage: Not reported
Past use industrial acreage: Not reported
Future use greenspace acreage: Not reported
Future use residential acreage: Not reported
Future use commercial acreage: Not reported
Future use industrial acreage: Not reported
Greenspace acreage and type: Not reported
Superfund Fed. landowner flag: Not reported

Property Description: The property is the former location of the consolidated packaging corporation (from 1920 to 1980. From 1850 to 1916, the property was a privately owned tree and plant nursery. The plant ceased operations in 1980. The city acquired the property in 19887, demolished the existing buildings, and the property has been vacant since.

49
WSW
1/4-1/2
0.389 mi.
2056 ft.

MONROE FORMER MEXICAN STAMPING
1250 EAST FIRST STREET
MONROE, MI

US BROWNFIELDS **1012172757**
N/A

Relative:
Higher

US BROWNFIELDS:

Actual:
584 ft.

Recipient name: Downriver Community Conference
Grant type: Assessment Pilot
Property name: Monroe Former Mexican Stamping
Property #: Not reported
Parcel size: 2.58
Latitude: 41.90832
Longitude: -83.38277
HCM label: Not reported
Map scale: Not reported
Point of reference: Not reported
Datum: Not reported
ACRES property ID: 13730
Start date: N/A
Completed date: N/A
Acres cleaned up: Not reported
Cleanup funding: Not reported
Cleanup funding source: Not reported
Assessment funding: Not reported
Assessment funding source: Not reported
Redevelopment funding: Not reported
Redev. funding source: Not reported
Redev. funding entity name: Not reported
Redevelopment start date: N/A
Assessment funding entity: Not reported
Cleanup funding entity: Not reported
Grant type: N/A
Accomplishment type: Not reported
Ownership entity: Not reported
Current owner: Mexican Stamping

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MONROE FORMER MEXICAN STAMPING (Continued)

1012172757

| | |
|---------------------------------------|--------------|
| Did owner change: | Not reported |
| Cleanup required: | No |
| Video available: | Not reported |
| Photo available: | Not reported |
| Institutional controls required: | Not reported |
| IC Category proprietary controls: | Not reported |
| IC cat. info. devices: | Not reported |
| IC cat. gov. controls: | Not reported |
| IC cat. enforcement permit tools: | Not reported |
| IC in place date: | N/A |
| IC in place: | Unknown |
| Enrolled in state/tribal program: | No |
| State/tribal program date: | N/A |
| State/tribal program ID: | Not reported |
| State/tribal NFA date: | N/A |
| Air contaminated: | Not reported |
| Air cleaned: | Not reported |
| Asbestos found: | Not reported |
| Asbestos cleaned: | Not reported |
| Controlled substance found: | Not reported |
| Controlled substance cleaned: | Not reported |
| Drinking water affected: | Not reported |
| Drinking water cleaned: | Not reported |
| Groundwater affected: | Not reported |
| Groundwater cleaned: | Not reported |
| Lead contaminant found: | Not reported |
| Lead cleaned up: | Not reported |
| No media affected: | Not reported |
| Unknown media affected: | Not reported |
| Other cleaned up: | Not reported |
| Other metals found: | Not reported |
| Other metals cleaned: | Not reported |
| Other contaminants found: | Not reported |
| Other contaminants found description: | Not reported |
| PAHs found: | Not reported |
| PAHs cleaned up: | Not reported |
| PCBs found: | Not reported |
| PCBs cleaned up: | Not reported |
| Petro products found: | Not reported |
| Petro products cleaned: | Not reported |
| Sediments found: | Not reported |
| Sediments cleaned: | Not reported |
| Soil affected: | Not reported |
| Soil cleaned up: | Not reported |
| Surface water cleaned: | Not reported |
| Unknown found: | Not reported |
| VOCs found: | Not reported |
| VOCs cleaned: | Not reported |
| Cleanup other description: | Not reported |
| Num. of cleanup and re-dev. jobs: | Not reported |
| Past use greenspace acreage: | Not reported |
| Past use residential acreage: | Not reported |
| Past use commercial acreage: | Not reported |
| Past use industrial acreage: | Not reported |
| Future use greenspace acreage: | Not reported |
| Future use residential acreage: | Not reported |
| Future use commercial acreage: | Not reported |

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MONROE FORMER MEXICAN STAMPING (Continued)

1012172757

Future use industrial acreage: Not reported
Greenspace acreage and type: Not reported
Superfund Fed. landowner flag: Not reported

Property Description: welding, painting, metal stamping, glass company, pressed steel

**I50
WNW
1/4-1/2
0.443 mi.
2337 ft.**

**KADIM SAIED
1101 E. FRONT
MONROE, MI**

**DEL SHWS
BROWNFIELDS**

**S105965671
N/A**

Site 1 of 2 in cluster I

**Relative:
Higher**

DELETED HWS:

Facility ID: 58000050
Status: Deleted - available documentation does not support listing

**Actual:
581 ft.**

BROWNFIELD:

Facility ID: 50000158
Region: 1
Status: Not reported
Property Use: Not reported
Use at Time of Listing: Not reported
BEA: Not reported
Ernie Id Number: Not reported
Redevelop Status: Not reported

**I51
WNW
1/4-1/2
0.443 mi.
2337 ft.**

**KADIUM SAIED
1101 E FRONT ST
MONROE, MI 48161**

**LUST S100071568
N/A**

Site 2 of 2 in cluster I

**Relative:
Higher**

LUST:

Facility ID: 50000158
Source: STATE OF MICHIGAN
Owner Name: Nrt Owner
Owner Address: Unknown
Owner City,St,Zip: Unknown, MI 99999
Owner Contact: Not reported
Owner Phone: Not reported
Country: USA
District: Jackson District Office
Site Name: Kadium Saied
Latitude: 41.9111610000
Longitude: -83.3836000000
Date of Collection: 01-11-2001
Method of Collection: Address Matching-House Number
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Data: NAD83
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)

**Actual:
581 ft.**

Leak Number: C-0328-89
Release Date: Jul 14 1989
Substance Released: Not reported
Release Status: Open

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

KADIUM SAIED (Continued)

S100071568

Release Closed Date: Not reported

52
NE
1/4-1/2
0.443 mi.
2341 ft.

PILOT TRAVEL CENTERS #024
1100 N DIXIE HWY
MONROE, MI 48162

LUST **U003834520**
UST **N/A**

Relative:
Higher

LUST:

Facility ID: 00036833
Source: STATE OF MICHIGAN
Owner Name: Pilot Travel Centers LLC
Owner Address: 5508 Lonas Dr
Owner City,St,Zip: Knoxville, TN 37909-3221
Owner Contact: Jason McCain
Owner Phone: 865-588-7488
Country: USA
District: Jackson District Office
Site Name: Pilot Travel Centers #024
Latitude: 41.9245580000
Longitude: -83.3664090000
Date of Collection: 25-04-2002
Method of Collection: GPS Code Meas. Standard Positioning Service SA Off
Accuracy: 10
Accuracy Value Unit: METERS
Horizontal Data: NAD83
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)

Leak Number: C-0064-07
Release Date: May 1 2007
Substance Released: Gasoline,Gasoline
Release Status: Open
Release Closed Date: Not reported

UST:

Facility ID: 00036833
Facility Type: ACTIVE
Latitude: 41.9245580000
Longitude: -83.3664090000
Owner Name: Pilot Travel Centers LLC
Owner Address: 5508 Lonas Dr
Owner City,St,Zip: Knoxville, TN 37909-3221
Owner Country: USA
Owner Contact: Jason McCain
Owner Phone: 865-588-7488
Contact: Jason A McCain
Contact Phone: (865) 588-7488
Date of Collection: 25-04-2002
Accuracy: 10
Accuracy Value Unit: METERS
Horizontal Datum: NAD83
Source: STATE OF MICHIGAN
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)
Method of Collection: GPS Code Meas. Standard Positioning Service SA Off

Tank ID: A
Tank Status: Currently In Use

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PILOT TRAVEL CENTERS #024 (Continued)

U003834520

Capacity: 12000
Install Date: Sep 1 1987
Product: Gasoline
Remove Date: Not reported
Tank Release Detection: Automatic Tank Gauging
Pipe Release Detection: SIR, Automatic Line Leak Detectors, Line Tightness Testing
Piping Material: Fiberglass Reinforced Plastic
Piping Type: Pressure
Constr Material: Fiberglass Reinforced Plastic
Impressed Device: No

Tank ID: B
Tank Status: Currently In Use
Capacity: 12000
Install Date: Sep 1 1987
Product: Gasoline
Remove Date: Not reported
Tank Release Detection: SIR, Inventory Control
Pipe Release Detection: SIR, Automatic Line Leak Detectors, Line Tightness Testing
Piping Material: Fiberglass Reinforced Plastic
Piping Type: Pressure
Constr Material: Fiberglass Reinforced Plastic
Impressed Device: No

Tank ID: C
Tank Status: Currently In Use
Capacity: 12000
Install Date: Sep 1 1987
Product: Gasoline
Remove Date: Not reported
Tank Release Detection: SIR, Automatic Tank Gauging
Pipe Release Detection: SIR, Automatic Line Leak Detectors, Line Tightness Testing
Piping Material: Fiberglass Reinforced Plastic
Piping Type: Pressure
Constr Material: Fiberglass Reinforced Plastic
Impressed Device: No

Tank ID: D
Tank Status: Currently In Use
Capacity: 12000
Install Date: Sep 1 1987
Product: Diesel
Remove Date: Not reported
Tank Release Detection: Automatic Tank Gauging
Pipe Release Detection: SIR, Automatic Line Leak Detectors, Line Tightness Testing
Piping Material: Fiberglass Reinforced Plastic
Piping Type: Pressure
Constr Material: Fiberglass Reinforced Plastic
Impressed Device: No

Tank ID: E
Tank Status: Currently In Use
Capacity: 12000

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PILOT TRAVEL CENTERS #024 (Continued)

U003834520

Install Date: Sep 1 1987
Product: Diesel
Remove Date: Not reported
Tank Release Detection: SIR, Automatic Tank Gauging
Pipe Release Detection: SIR, Automatic Line Leak Detectors, Line Tightness Testing
Piping Material: Fiberglass Reinforced Plastic
Piping Type: Pressure
Constr Material: Fiberglass Reinforced Plastic
Impressed Device: No

Tank ID: F
Tank Status: Currently In Use
Capacity: 12000
Install Date: Sep 1 1987
Product: Diesel
Remove Date: Not reported
Tank Release Detection: Automatic Tank Gauging
Pipe Release Detection: SIR, Automatic Line Leak Detectors, Line Tightness Testing
Piping Material: Fiberglass Reinforced Plastic
Piping Type: Pressure
Constr Material: Fiberglass Reinforced Plastic
Impressed Device: No

Tank ID: G
Tank Status: Currently In Use
Capacity: 20000
Install Date: Apr 1 2007
Product: Diesel
Remove Date: Not reported
Tank Release Detection: Automatic Tank Gauging
Pipe Release Detection: SIR, Automatic Line Leak Detectors, Line Tightness Testing
Piping Material: Fiberglass Reinforced Plastic
Piping Type: Pressure
Constr Material: Fiberglass Reinforced Plastic
Impressed Device: No

53
West
1/4-1/2
0.465 mi.
2454 ft.

**GENE GERMAN I
72 WINCHESTER ST
MONROE, MI 48161**

**LUST U000260832
UST N/A**

**Relative:
Higher**

LUST:
Facility ID: 00020037
Source: STATE OF MICHIGAN
Owner Name: Gene Germant
Owner Address: 1002 Harrison St
Owner City,St,Zip: Monroe, MI 48161-4018
Owner Contact: Not reported
Owner Phone: (734) 241-7939
Country: USA
District: Jackson District Office
Site Name: Jeff's Garage
Latitude: 41.9105530000
Longitude: -83.3846060000
Date of Collection: 01-11-2001

**Actual:
583 ft.**

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GENE GERMAN I (Continued)

U000260832

Method of Collection: Address Matching-House Number
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Data: NAD83
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)

Leak Number: C-0954-93
Release Date: Aug 3 1993
Substance Released: Gasoline
Release Status: Open
Release Closed Date: Not reported

UST:

Facility ID: 00020037
Facility Type: CLOSED
Latitude: 41.9105530000
Longitude: -83.3846060000
Owner Name: Gene Germant
Owner Address: 1002 Harrison St
Owner City,St,Zip: Monroe, MI 48161-4018
Owner Country: USA
Owner Contact: Not reported
Owner Phone: (734) 241-7939
Contact: GENE GERMANT
Contact Phone: (734) 241-7939
Date of Collection: 01-11-2001
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Datum: NAD83
Source: STATE OF MICHIGAN
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)
Method of Collection: Address Matching-House Number

Tank ID: 1
Tank Status: Removed from Ground
Capacity: 5000
Install Date: Jun 24 1979
Product: Gasoline
Remove Date: Jun 21 1994
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Not reported
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 2
Tank Status: Removed from Ground
Capacity: 5000
Install Date: Jun 24 1979
Product: Gasoline
Remove Date: Jun 21 1994
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Galvanized Steel

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GENE GERMAN I (Continued)

U000260832

Piping Type: Not reported
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 3
Tank Status: **Removed from Ground**
Capacity: 5000
Install Date: Jun 24 1979
Product: Gasoline
Remove Date: Jun 21 1994
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Not reported
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 4
Tank Status: **Removed from Ground**
Capacity: 6000
Install Date: Not reported
Product: Gasoline,Diesel
Remove Date: Jun 21 1994
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Bare Steel
Piping Type: Suction: No Valve At Tank
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 5
Tank Status: **Removed from Ground**
Capacity: 2500
Install Date: Not reported
Product: Kerosene
Remove Date: Jun 21 1994
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Bare Steel
Piping Type: Suction: No Valve At Tank
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 6
Tank Status: **Removed from Ground**
Capacity: 500
Install Date: Not reported
Product: Used Oil
Remove Date: Jun 21 1994
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Bare Steel
Piping Type: Suction: No Valve At Tank

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GENE GERMAN I (Continued)

U000260832

Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

54
West
1/4-1/2
0.466 mi.
2461 ft.

FORMER MONROE HOSPITAL
188-120 MAPLE BLVD.
MONROE, MI

DEL SHWS

S105966016
N/A

Relative:
Higher

DELETED HWS:
Facility ID: 58000182
Status: Delisted - no longer meets criteria specified in rules

Actual:
589 ft.

55
SW
1/4-1/2
0.491 mi.
2594 ft.

MONROE CASTING PLANT
917 FRONT STREET
MONROE, MI 48161

CERC-NFRAP

1003873163
MI0001251297

Relative:
Higher

CERC-NFRAP:
Site ID: 0507644
Federal Facility: Not a Federal Facility
NPL Status: Not on the NPL
Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

Actual:
585 ft.

CERCLIS-NFRAP Site Alias Name(s):

Alias Name: MONROE (STEEL) CASTING PLANT
Alias Address: Not reported
MI

Program Priority:

Description: Great Lakes

CERCLIS-NFRAP Assessment History:

Action: DISCOVERY
Date Started: Not reported
Date Completed: 03/15/1994
Priority Level: Not reported

Action: PRELIMINARY ASSESSMENT
Date Started: Not reported
Date Completed: 09/29/1995
Priority Level: NFRAP-Site does not qualify for the NPL based on existing information

Action: ARCHIVE SITE
Date Started: Not reported
Date Completed: 12/12/1996
Priority Level: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

56
WSW
1/2-1
0.502 mi.
2649 ft.

1204 E THIRD ST.
1204 E. THIRD ST.
MONROE, MI 48161

SHWS S110126735
N/A

Relative:
Higher

SHWS:
Facility ID: 58000214
Facility Status: Evaluation conducted
Source: Not reported
SAM Score: 33
SAM Score Date: 6/20/2005
Township: 07S
Range: 09E
Section: 8
Quarter: Not reported
Quarter/Quarter: Not reported
Pollutants: Not reported

Actual:
584 ft.

J57
ESE
1/2-1
0.668 mi.
3528 ft.

VISTEON MONROE
3200 EAST ELM STREET
MONROE, MI 48162

Site 1 of 2 in cluster J

RCRA-TSDF 1000183618
CERCLIS MID005057005
CORRACTS
RCRA-SQG
PADS
FINDS
RAATS
UST
MANIFEST
FINANCIAL ASSURANCE

Relative:
Higher

Actual:
579 ft.

RCRA-TSDF:
Date form received by agency: 06/10/2009
Facility name: FORD MOTOR COMPANY
Facility address: 3200 E ELM AVE
MONROE, MI 48162
EPA ID: MID005057005
Mailing address: 290 TOWN CENTER DR
DEARBORN, MI 48126
Contact: DAVID MILLER
Contact address: 3200 E ELM AVE
MONROE, MI 48162
Contact country: US
Contact telephone: (313) 322-3761
Contact email: Not reported
EPA Region: 05
Land type: Private
Classification: TSDF
Description: Handler is engaged in the treatment, storage or disposal of hazardous waste

Owner/Operator Summary:

Owner/operator name: AUTOMOTIVE COMPONENTS HOLDINGS LLC
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 10/01/2005

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

VISTEON MONROE (Continued)

1000183618

Owner/Op end date: Not reported

Owner/operator name: FORD MOTOR COMPANY
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 07/01/2009
Owner/Op end date: Not reported

Owner/operator name: FORD MOTOR COMPANY
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 07/01/2009
Owner/Op end date: Not reported

Owner/operator name: AUTOMOTIVE COMPONENTS HOLDINGS LLC
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 10/01/2005
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: Yes
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
Used oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:

Date form received by agency: 06/01/2009
Facility name: FORD MOTOR COMPANY
Classification: Small Quantity Generator

Date form received by agency: 05/27/2009
Facility name: FORD MOTOR COMPANY

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

VISTEON MONROE (Continued)

1000183618

Classification: Small Quantity Generator

Date form received by agency: 05/27/2009

Facility name: FORD MOTOR COMPANY

Classification: Small Quantity Generator

Date form received by agency: 10/09/2008

Facility name: FORD MOTOR COMPANY

Classification: Large Quantity Generator

Date form received by agency: 03/01/2008

Facility name: FORD MOTOR COMPANY

Site name: AUTOMOTIVE COMPONENTS HOLDINGS LLC

Classification: Large Quantity Generator

Date form received by agency: 02/28/2008

Facility name: FORD MOTOR COMPANY

Classification: Large Quantity Generator

Date form received by agency: 03/12/2007

Facility name: FORD MOTOR COMPANY

Classification: Large Quantity Generator

Date form received by agency: 03/01/2006

Facility name: FORD MOTOR COMPANY

Site name: AUTOMOTIVE COMPONENTS HOLDINGS LLC

Classification: Large Quantity Generator

Date form received by agency: 03/01/2006

Facility name: FORD MOTOR COMPANY

Classification: Large Quantity Generator

Date form received by agency: 10/01/2005

Facility name: FORD MOTOR COMPANY

Classification: Large Quantity Generator

Date form received by agency: 04/14/2005

Facility name: FORD MOTOR COMPANY

Classification: Large Quantity Generator

Date form received by agency: 03/01/2004

Facility name: FORD MOTOR COMPANY

Site name: VISTEON CORPORATION

Classification: Large Quantity Generator

Date form received by agency: 02/25/2004

Facility name: FORD MOTOR COMPANY

Classification: Large Quantity Generator

Date form received by agency: 03/01/2002

Facility name: FORD MOTOR COMPANY

Site name: VISTEON CORPORATION

Classification: Large Quantity Generator

Date form received by agency: 02/26/2002

Facility name: FORD MOTOR COMPANY

Classification: Large Quantity Generator

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

VISTEON MONROE (Continued)

1000183618

Date form received by agency: 03/02/2000

Facility name: FORD MOTOR COMPANY

Classification: Large Quantity Generator

Date form received by agency: 02/28/2000

Facility name: FORD MOTOR COMPANY

Site name: FORD MOTOR CO MONROE PLT

Classification: Large Quantity Generator

Date form received by agency: 02/26/1998

Facility name: FORD MOTOR COMPANY

Site name: FORD MOTOR COMPANY, MONROE PLANT

Classification: Large Quantity Generator

Date form received by agency: 02/28/1996

Facility name: FORD MOTOR COMPANY

Site name: FORD MOTOR COMPANY, MONROE PLANT

Classification: Large Quantity Generator

Date form received by agency: 11/13/1995

Facility name: FORD MOTOR COMPANY

Classification: Large Quantity Generator

Date form received by agency: 02/25/1994

Facility name: FORD MOTOR COMPANY

Site name: FORD MOTOR COMPANY, MONROE PLANT

Classification: Large Quantity Generator

Date form received by agency: 02/17/1992

Facility name: FORD MOTOR COMPANY

Site name: FORD MOTOR CO MONROE PLT

Classification: Large Quantity Generator

Date form received by agency: 02/12/1990

Facility name: FORD MOTOR COMPANY

Site name: FORD MOTOR CO MONROE PLT

Classification: Large Quantity Generator

Date form received by agency: 11/18/1980

Facility name: FORD MOTOR COMPANY

Classification: Not a generator, verified

Date form received by agency: 08/18/1980

Facility name: FORD MOTOR COMPANY

Classification: Large Quantity Generator

Hazardous Waste Summary:

Waste code: D001

Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

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VISTEON MONROE (Continued)

1000183618

Biennial Reports:

Last Biennial Reporting Year: 2011

Annual Waste Handled:

| | |
|---------------|--|
| Waste code: | D001 |
| Waste name: | IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE. |
| Amount (Lbs): | 5216.6 |
| Waste code: | D002 |
| Waste name: | A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE. |
| Amount (Lbs): | 480 |
| Waste code: | D005 |
| Waste name: | BARIUM |
| Amount (Lbs): | 240.7 |
| Waste code: | D008 |
| Waste name: | LEAD |
| Amount (Lbs): | 51810.4 |
| Waste code: | D009 |
| Waste name: | MERCURY |
| Amount (Lbs): | 366.9 |
| Waste code: | D018 |
| Waste name: | BENZENE |
| Amount (Lbs): | 240.7 |
| Waste code: | D029 |
| Waste name: | 1,1-DICHLOROETHYLENE |
| Amount (Lbs): | 240.7 |
| Waste code: | D035 |
| Waste name: | METHYL ETHYL KETONE |
| Amount (Lbs): | 240.7 |
| Waste code: | D039 |
| Waste name: | TETRACHLOROETHYLENE |
| Amount (Lbs): | 240.7 |
| Waste code: | F003 |
| Waste name: | THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT |

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VISTEON MONROE (Continued)

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NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Amount (Lbs): 356.9

Waste code: P105
Waste name: SODIUM AZIDE
Amount (Lbs): 10

Corrective Action Summary:

Event date: 03/23/1987
Event: RFA Completed

Event date: 03/23/1987
Event: RFA Determination Of Need For An RFI, RFI is Necessary;

Event date: 09/27/1991
Event: CA Prioritization, Facility or area was assigned a high corrective action priority.

Event date: 12/14/1992
Event: Stabilization Measures Evaluation, This facility is amenable to stabilization activity based on the status of corrective action work at the facility, technical factors, the degree of risk, timing considerations and administrative considerations.

Event date: 03/27/1995
Event: RFI Imposition, Focused data collection required for stabilization evaluation.

Event date: 03/27/1995
Event: Stabilization Measures Implemented

Event date: 06/27/1995
Event: RFI Workplan Received

Event date: 09/11/1995
Event: Stabilization Construction Completed

Event date: 08/28/1997
Event: Igration of Contaminated Groundwater under Control, More information is needed to make a determination.

Event date: 08/28/1997
Event: Current Human Exposures under Control, More information is needed to make a determination.

Event date: 09/24/1998
Event: RFI Workplan Received

Event date: 11/11/1998
Event: RFI Workplan Approved

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VISTEON MONROE (Continued)

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Event date: 10/01/2001
Event: Current Human Exposures under Control, Yes, Current Human Exposures Under Control has been verified. Based on a review of information contained in the EI determination, current human exposures are expected to be under control at the facility under current and reasonably expected conditions. This determination will be re-evaluated when the Agency/State becomes aware of significant changes at the facility.

Event date: 03/25/2005
Event: Igration of Contaminated Groundwater under Control, Yes, Migration of Contaminated Groundwater Under Control has been verified. Based on a review of information contained in the EI determination, it has been determined that migration of contaminated groundwater is under control at the facility. Specifically, this determination indicates that the migration of contaminated groundwater is under control, and that monitoring will be conducted to confirm that contaminated groundwater remains within the existing area of contaminated groundwater. This determination will be re-evaluated when the Agency becomes aware of significant changes at the facility.

Event date: Not reported
Event: CMI Workplan Approved

Event date: Not reported
Event: Date For Remedy Selection (CM Imposed)

Event date: Not reported
Event: CMS Approved

Event date: Not reported
Event: RFI Approved

Event date: Not reported
Event: RFI Workplan Approved

Event date: Not reported
Event: Certification Of Remedy Completion Or Construction Completion

Facility Has Received Notices of Violations:

Regulation violated: Not reported
Area of violation: Permits - Conditions
Date violation determined: 01/21/2010
Date achieved compliance: 02/23/2010
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 01/21/2010
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Permits - Conditions
Date violation determined: 09/16/2009

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VISTEON MONROE (Continued)

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Date achieved compliance: 12/02/2009
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 09/25/2009
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - Manifest
Date violation determined: 09/16/2009
Date achieved compliance: 12/02/2009
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 09/25/2009
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Universal Waste - Small Quantity Handlers
Date violation determined: 09/16/2009
Date achieved compliance: 12/02/2009
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 09/25/2009
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Closure/Post-Closure
Date violation determined: 06/01/2009
Date achieved compliance: 07/23/2009
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 06/01/2009
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General Facility Standards
Date violation determined: 06/18/2007
Date achieved compliance: 12/02/2009

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VISTEON MONROE (Continued)

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Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 07/18/2007
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General Facility Standards
Date violation determined: 06/18/2007
Date achieved compliance: 12/02/2009
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 06/01/2009
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - Pre-transport
Date violation determined: 09/18/2006
Date achieved compliance: 06/18/2007
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 09/20/2006
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - Pre-transport
Date violation determined: 03/29/2005
Date achieved compliance: 05/11/2005
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 04/05/2005
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - Pre-transport
Date violation determined: 06/24/1997
Date achieved compliance: 08/11/1997
Violation lead agency: State

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VISTEON MONROE (Continued)

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Enforcement action: WRITTEN INFORMAL
Enforcement action date: 06/24/1997
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - Pre-transport
Date violation determined: 11/27/1995
Date achieved compliance: 01/08/1996
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 11/27/1995
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 07/05/1994
Date achieved compliance: 11/14/1994
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 07/05/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD IS-Ground-Water Monitoring
Date violation determined: 09/27/1993
Date achieved compliance: 01/01/2000
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 09/27/1993
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD IS-Ground-Water Monitoring
Date violation determined: 12/01/1992
Date achieved compliance: 01/06/1993
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL

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VISTEON MONROE (Continued)

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Enforcement action date: 10/28/1992
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 08/10/1992
Date achieved compliance: 10/21/1992
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 08/10/1992
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: LDR - General
Date violation determined: 08/10/1992
Date achieved compliance: 10/21/1992
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 08/10/1992
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD IS-Ground-Water Monitoring
Date violation determined: 03/18/1992
Date achieved compliance: 01/06/1993
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 10/30/1992
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 07/23/1991
Date achieved compliance: 10/30/1991
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 07/28/1991

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1000183618

Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: LDR - General
Date violation determined: 07/23/1991
Date achieved compliance: 10/30/1991
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 07/28/1991
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: LDR - General
Date violation determined: 09/05/1990
Date achieved compliance: 12/13/1990
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 09/12/1990
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 09/05/1990
Date achieved compliance: 12/13/1990
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 09/12/1990
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Closure/Post-Closure
Date violation determined: 11/17/1989
Date achieved compliance: 05/14/1990
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported

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VISTEON MONROE (Continued)

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Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Closure/Post-Closure
Date violation determined: 11/17/1989
Date achieved compliance: 05/14/1990
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 07/20/1990
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 09/22/1988
Date achieved compliance: 03/15/1989
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 09/30/1988
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: LDR - General
Date violation determined: 09/22/1988
Date achieved compliance: 03/15/1989
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 09/30/1988
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD IS-Ground-Water Monitoring
Date violation determined: 09/30/1987
Date achieved compliance: 12/18/1987
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 11/10/1987
Enf. disposition status: Not reported
Enf. disp. status date: Not reported

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Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 09/10/1987
Date achieved compliance: 03/31/1988
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 12/01/1987
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 09/10/1987
Date achieved compliance: 03/31/1988
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 09/21/1987
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD IS-Ground-Water Monitoring
Date violation determined: 09/01/1987
Date achieved compliance: 12/18/1987
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 09/01/1987
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD IS-Ground-Water Monitoring
Date violation determined: 08/30/1986
Date achieved compliance: 12/18/1987
Violation lead agency: EPA
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 10/30/1986
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA

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VISTEON MONROE (Continued)

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Proposed penalty amount: 68000
Final penalty amount: 5440
Paid penalty amount: 5440

Regulation violated: Not reported
Area of violation: TSD IS-Ground-Water Monitoring
Date violation determined: 08/30/1986
Date achieved compliance: 12/18/1987
Violation lead agency: EPA
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 11/18/1987
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: 5440
Paid penalty amount: 5440

Regulation violated: Not reported
Area of violation: TSD IS-Ground-Water Monitoring
Date violation determined: 02/26/1986
Date achieved compliance: 04/09/1986
Violation lead agency: EPA
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 03/11/1986
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 12/12/1985
Date achieved compliance: 03/07/1986
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 01/30/1986
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 12/12/1985
Date achieved compliance: 03/07/1986
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 12/16/1985
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported

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Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Closure/Post-Closure
Date violation determined: 12/12/1984
Date achieved compliance: 01/31/1985
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 12/13/1984
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 12/12/1984
Date achieved compliance: 01/31/1985
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 12/13/1984
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD IS-Ground-Water Monitoring
Date violation determined: 12/12/1984
Date achieved compliance: 01/31/1985
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 12/13/1984
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD IS-Ground-Water Monitoring
Date violation determined: 08/01/1984
Date achieved compliance: 10/18/1984
Violation lead agency: EPA
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 08/03/1984
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported

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Paid penalty amount: Not reported

Evaluation Action Summary:

Evaluation date: 02/07/2011
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 11/17/2010
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 09/17/2010
Evaluation: OPERATION AND MAINTENANCE INSPECTION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 08/03/2010
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 06/02/2010
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 05/27/2010
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 04/06/2010
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 04/01/2010
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 03/31/2010
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

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| | |
|---------------------------|---|
| Evaluation date: | 03/22/2010 |
| Evaluation: | NON-FINANCIAL RECORD REVIEW |
| Area of violation: | Not reported |
| Date achieved compliance: | Not reported |
| Evaluation lead agency: | State |
| Evaluation date: | 03/08/2010 |
| Evaluation: | NON-FINANCIAL RECORD REVIEW |
| Area of violation: | Not reported |
| Date achieved compliance: | Not reported |
| Evaluation lead agency: | State |
| Evaluation date: | 02/11/2010 |
| Evaluation: | NON-FINANCIAL RECORD REVIEW |
| Area of violation: | Not reported |
| Date achieved compliance: | Not reported |
| Evaluation lead agency: | State |
| Evaluation date: | 01/21/2010 |
| Evaluation: | NON-FINANCIAL RECORD REVIEW |
| Area of violation: | Permits - Conditions |
| Date achieved compliance: | 02/23/2010 |
| Evaluation lead agency: | State |
| Evaluation date: | 09/16/2009 |
| Evaluation: | COMPLIANCE EVALUATION INSPECTION ON-SITE |
| Area of violation: | Permits - Conditions |
| Date achieved compliance: | 12/02/2009 |
| Evaluation lead agency: | State |
| Evaluation date: | 09/16/2009 |
| Evaluation: | COMPLIANCE EVALUATION INSPECTION ON-SITE |
| Area of violation: | Generators - Manifest |
| Date achieved compliance: | 12/02/2009 |
| Evaluation lead agency: | State |
| Evaluation date: | 09/16/2009 |
| Evaluation: | COMPLIANCE EVALUATION INSPECTION ON-SITE |
| Area of violation: | Universal Waste - Small Quantity Handlers |
| Date achieved compliance: | 12/02/2009 |
| Evaluation lead agency: | State |
| Evaluation date: | 09/10/2009 |
| Evaluation: | FOCUSED COMPLIANCE INSPECTION |
| Area of violation: | Not reported |
| Date achieved compliance: | Not reported |
| Evaluation lead agency: | State |
| Evaluation date: | 07/17/2009 |
| Evaluation: | FOCUSED COMPLIANCE INSPECTION |
| Area of violation: | Not reported |
| Date achieved compliance: | Not reported |
| Evaluation lead agency: | State |
| Evaluation date: | 06/09/2009 |
| Evaluation: | NON-FINANCIAL RECORD REVIEW |
| Area of violation: | Not reported |

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

VISTEON MONROE (Continued)

1000183618

Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 06/01/2009
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: TSD - Closure/Post-Closure
Date achieved compliance: 07/23/2009
Evaluation lead agency: State

Evaluation date: 05/04/2009
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 03/16/2009
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 02/27/2009
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 08/25/2008
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 08/22/2008
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 08/04/2008
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 05/09/2008
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 03/11/2008
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

VISTEON MONROE (Continued)

1000183618

| | |
|---------------------------|--|
| Evaluation date: | 12/21/2007 |
| Evaluation: | NON-FINANCIAL RECORD REVIEW |
| Area of violation: | Not reported |
| Date achieved compliance: | Not reported |
| Evaluation lead agency: | State |
| Evaluation date: | 12/11/2007 |
| Evaluation: | NON-FINANCIAL RECORD REVIEW |
| Area of violation: | Not reported |
| Date achieved compliance: | Not reported |
| Evaluation lead agency: | State |
| Evaluation date: | 11/30/2007 |
| Evaluation: | NON-FINANCIAL RECORD REVIEW |
| Area of violation: | Not reported |
| Date achieved compliance: | Not reported |
| Evaluation lead agency: | State |
| Evaluation date: | 10/25/2007 |
| Evaluation: | NON-FINANCIAL RECORD REVIEW |
| Area of violation: | Not reported |
| Date achieved compliance: | Not reported |
| Evaluation lead agency: | State |
| Evaluation date: | 06/30/2007 |
| Evaluation: | OPERATION AND MAINTENANCE INSPECTION |
| Area of violation: | Not reported |
| Date achieved compliance: | Not reported |
| Evaluation lead agency: | State |
| Evaluation date: | 06/18/2007 |
| Evaluation: | COMPLIANCE EVALUATION INSPECTION ON-SITE |
| Area of violation: | TSD - General Facility Standards |
| Date achieved compliance: | 12/02/2009 |
| Evaluation lead agency: | State |
| Evaluation date: | 09/18/2006 |
| Evaluation: | COMPLIANCE EVALUATION INSPECTION ON-SITE |
| Area of violation: | Generators - Pre-transport |
| Date achieved compliance: | 06/18/2007 |
| Evaluation lead agency: | State |
| Evaluation date: | 08/17/2006 |
| Evaluation: | NON-FINANCIAL RECORD REVIEW |
| Area of violation: | Not reported |
| Date achieved compliance: | Not reported |
| Evaluation lead agency: | State |
| Evaluation date: | 06/27/2006 |
| Evaluation: | NON-FINANCIAL RECORD REVIEW |
| Area of violation: | Not reported |
| Date achieved compliance: | Not reported |
| Evaluation lead agency: | State |
| Evaluation date: | 03/31/2006 |
| Evaluation: | NON-FINANCIAL RECORD REVIEW |
| Area of violation: | Not reported |

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

VISTEON MONROE (Continued)

1000183618

Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 03/15/2006
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 09/21/2005
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 07/29/2005
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 07/25/2005
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 06/10/2005
Evaluation: FOCUSED COMPLIANCE INSPECTION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 03/29/2005
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Pre-transport
Date achieved compliance: 05/11/2005
Evaluation lead agency: State

Evaluation date: 01/14/2005
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 12/15/2004
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 10/20/2004
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

VISTEON MONROE (Continued)

1000183618

| | |
|---------------------------|-----------------------------------|
| Evaluation date: | 10/08/2004 |
| Evaluation: | NON-FINANCIAL RECORD REVIEW |
| Area of violation: | Not reported |
| Date achieved compliance: | Not reported |
| Evaluation lead agency: | State |
| Evaluation date: | 09/10/2004 |
| Evaluation: | NON-FINANCIAL RECORD REVIEW |
| Area of violation: | Not reported |
| Date achieved compliance: | Not reported |
| Evaluation lead agency: | State |
| Evaluation date: | 09/09/2004 |
| Evaluation: | NON-FINANCIAL RECORD REVIEW |
| Area of violation: | Not reported |
| Date achieved compliance: | Not reported |
| Evaluation lead agency: | State |
| Evaluation date: | 09/03/2004 |
| Evaluation: | NON-FINANCIAL RECORD REVIEW |
| Area of violation: | Not reported |
| Date achieved compliance: | Not reported |
| Evaluation lead agency: | State |
| Evaluation date: | 07/19/2004 |
| Evaluation: | NON-FINANCIAL RECORD REVIEW |
| Area of violation: | Not reported |
| Date achieved compliance: | Not reported |
| Evaluation lead agency: | State |
| Evaluation date: | 06/30/2004 |
| Evaluation: | GROUNDWATER MONITORING EVALUATION |
| Area of violation: | Not reported |
| Date achieved compliance: | Not reported |
| Evaluation lead agency: | State |
| Evaluation date: | 06/30/2004 |
| Evaluation: | FINANCIAL RECORD REVIEW |
| Area of violation: | Not reported |
| Date achieved compliance: | Not reported |
| Evaluation lead agency: | State |
| Evaluation date: | 11/04/2003 |
| Evaluation: | NON-FINANCIAL RECORD REVIEW |
| Area of violation: | Not reported |
| Date achieved compliance: | Not reported |
| Evaluation lead agency: | State |
| Evaluation date: | 09/30/2003 |
| Evaluation: | FINANCIAL RECORD REVIEW |
| Area of violation: | Not reported |
| Date achieved compliance: | Not reported |
| Evaluation lead agency: | State |
| Evaluation date: | 09/05/2003 |
| Evaluation: | NON-FINANCIAL RECORD REVIEW |
| Area of violation: | Not reported |

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

VISTEON MONROE (Continued)

1000183618

Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 09/04/2003
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 08/13/2003
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 07/22/2003
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 06/20/2003
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 06/11/2003
Evaluation: FOCUSED COMPLIANCE INSPECTION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 05/14/2003
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 05/12/2003
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 04/23/2003
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 03/28/2003
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

VISTEON MONROE (Continued)

1000183618

Evaluation date: 03/14/2003
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 12/04/2002
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 11/08/2002
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 10/03/2002
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 09/20/2002
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 09/10/2002
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 08/29/2002
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 08/22/2002
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 08/02/2002
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 07/25/2002
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

VISTEON MONROE (Continued)

1000183618

Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 07/22/2002
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 06/18/2002
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 06/04/2002
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 06/04/2002
Evaluation: FOCUSED COMPLIANCE INSPECTION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 05/30/2002
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 05/20/2002
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 05/14/2002
Evaluation: CORRECTIVE ACTION COMPLIANCE EVALUATION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 05/14/2002
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 05/08/2002
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

VISTEON MONROE (Continued)

1000183618

| | |
|---------------------------|--|
| Evaluation date: | 04/19/2002 |
| Evaluation: | NON-FINANCIAL RECORD REVIEW |
| Area of violation: | Not reported |
| Date achieved compliance: | Not reported |
| Evaluation lead agency: | State |
| Evaluation date: | 03/21/2002 |
| Evaluation: | NON-FINANCIAL RECORD REVIEW |
| Area of violation: | Not reported |
| Date achieved compliance: | Not reported |
| Evaluation lead agency: | State |
| Evaluation date: | 03/13/2002 |
| Evaluation: | NON-FINANCIAL RECORD REVIEW |
| Area of violation: | Not reported |
| Date achieved compliance: | Not reported |
| Evaluation lead agency: | State |
| Evaluation date: | 03/13/2002 |
| Evaluation: | FOCUSED COMPLIANCE INSPECTION |
| Area of violation: | Not reported |
| Date achieved compliance: | Not reported |
| Evaluation lead agency: | State |
| Evaluation date: | 03/06/2002 |
| Evaluation: | NON-FINANCIAL RECORD REVIEW |
| Area of violation: | Not reported |
| Date achieved compliance: | Not reported |
| Evaluation lead agency: | State |
| Evaluation date: | 02/06/2002 |
| Evaluation: | NON-FINANCIAL RECORD REVIEW |
| Area of violation: | Not reported |
| Date achieved compliance: | Not reported |
| Evaluation lead agency: | State |
| Evaluation date: | 01/24/2002 |
| Evaluation: | CORRECTIVE ACTION COMPLIANCE EVALUATION |
| Area of violation: | Not reported |
| Date achieved compliance: | Not reported |
| Evaluation lead agency: | State |
| Evaluation date: | 12/20/2001 |
| Evaluation: | NON-FINANCIAL RECORD REVIEW |
| Area of violation: | Not reported |
| Date achieved compliance: | Not reported |
| Evaluation lead agency: | State |
| Evaluation date: | 12/11/2001 |
| Evaluation: | COMPLIANCE EVALUATION INSPECTION ON-SITE |
| Area of violation: | Not reported |
| Date achieved compliance: | Not reported |
| Evaluation lead agency: | State |
| Evaluation date: | 10/25/2001 |
| Evaluation: | CORRECTIVE ACTION COMPLIANCE EVALUATION |
| Area of violation: | Not reported |

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

VISTEON MONROE (Continued)

1000183618

Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 10/24/2001
Evaluation: CORRECTIVE ACTION COMPLIANCE EVALUATION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 09/28/2001
Evaluation: CORRECTIVE ACTION COMPLIANCE EVALUATION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 08/27/2001
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 08/21/2001
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 07/24/2001
Evaluation: FOCUSED COMPLIANCE INSPECTION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 07/20/2001
Evaluation: CORRECTIVE ACTION COMPLIANCE EVALUATION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 07/11/2001
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 07/06/2001
Evaluation: CORRECTIVE ACTION COMPLIANCE EVALUATION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 06/22/2001
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

VISTEON MONROE (Continued)

1000183618

| | |
|---------------------------|--|
| Evaluation date: | 03/30/2001 |
| Evaluation: | GROUNDWATER MONITORING EVALUATION |
| Area of violation: | Not reported |
| Date achieved compliance: | Not reported |
| Evaluation lead agency: | State |
| Evaluation date: | 02/08/2001 |
| Evaluation: | CORRECTIVE ACTION COMPLIANCE EVALUATION |
| Area of violation: | Not reported |
| Date achieved compliance: | Not reported |
| Evaluation lead agency: | State |
| Evaluation date: | 10/18/2000 |
| Evaluation: | FOCUSED COMPLIANCE INSPECTION |
| Area of violation: | Not reported |
| Date achieved compliance: | Not reported |
| Evaluation lead agency: | State |
| Evaluation date: | 09/13/2000 |
| Evaluation: | CORRECTIVE ACTION COMPLIANCE EVALUATION |
| Area of violation: | Not reported |
| Date achieved compliance: | Not reported |
| Evaluation lead agency: | State |
| Evaluation date: | 08/15/2000 |
| Evaluation: | FINANCIAL RECORD REVIEW |
| Area of violation: | Not reported |
| Date achieved compliance: | Not reported |
| Evaluation lead agency: | State |
| Evaluation date: | 03/21/2000 |
| Evaluation: | COMPLIANCE EVALUATION INSPECTION ON-SITE |
| Area of violation: | Not reported |
| Date achieved compliance: | Not reported |
| Evaluation lead agency: | State |
| Evaluation date: | 09/28/1999 |
| Evaluation: | COMPLIANCE EVALUATION INSPECTION ON-SITE |
| Area of violation: | Not reported |
| Date achieved compliance: | Not reported |
| Evaluation lead agency: | State |
| Evaluation date: | 08/23/1999 |
| Evaluation: | FINANCIAL RECORD REVIEW |
| Area of violation: | Not reported |
| Date achieved compliance: | Not reported |
| Evaluation lead agency: | State |
| Evaluation date: | 03/29/1999 |
| Evaluation: | COMPLIANCE EVALUATION INSPECTION ON-SITE |
| Area of violation: | Not reported |
| Date achieved compliance: | Not reported |
| Evaluation lead agency: | State |
| Evaluation date: | 02/08/1999 |
| Evaluation: | NON-FINANCIAL RECORD REVIEW |
| Area of violation: | Not reported |

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

VISTEON MONROE (Continued)

1000183618

| | |
|---------------------------|--|
| Date achieved compliance: | Not reported |
| Evaluation lead agency: | State |
| Evaluation date: | 09/09/1998 |
| Evaluation: | COMPLIANCE EVALUATION INSPECTION ON-SITE |
| Area of violation: | Not reported |
| Date achieved compliance: | Not reported |
| Evaluation lead agency: | State |
| Evaluation date: | 04/16/1998 |
| Evaluation: | FINANCIAL RECORD REVIEW |
| Area of violation: | Not reported |
| Date achieved compliance: | Not reported |
| Evaluation lead agency: | State |
| Evaluation date: | 04/15/1998 |
| Evaluation: | FOCUSED COMPLIANCE INSPECTION |
| Area of violation: | Not reported |
| Date achieved compliance: | Not reported |
| Evaluation lead agency: | State |
| Evaluation date: | 04/15/1998 |
| Evaluation: | COMPLIANCE EVALUATION INSPECTION ON-SITE |
| Area of violation: | Not reported |
| Date achieved compliance: | Not reported |
| Evaluation lead agency: | State |
| Evaluation date: | 01/13/1998 |
| Evaluation: | FOCUSED COMPLIANCE INSPECTION |
| Area of violation: | Not reported |
| Date achieved compliance: | Not reported |
| Evaluation lead agency: | State |
| Evaluation date: | 09/22/1997 |
| Evaluation: | NON-FINANCIAL RECORD REVIEW |
| Area of violation: | Not reported |
| Date achieved compliance: | Not reported |
| Evaluation lead agency: | State |
| Evaluation date: | 08/19/1997 |
| Evaluation: | COMPLIANCE EVALUATION INSPECTION ON-SITE |
| Area of violation: | Not reported |
| Date achieved compliance: | Not reported |
| Evaluation lead agency: | State |
| Evaluation date: | 06/18/1997 |
| Evaluation: | COMPLIANCE EVALUATION INSPECTION ON-SITE |
| Area of violation: | Generators - Pre-transport |
| Date achieved compliance: | 08/11/1997 |
| Evaluation lead agency: | State |
| Evaluation date: | 06/05/1997 |
| Evaluation: | FOCUSED COMPLIANCE INSPECTION |
| Area of violation: | Not reported |
| Date achieved compliance: | Not reported |
| Evaluation lead agency: | State |

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

VISTEON MONROE (Continued)

1000183618

| | |
|---------------------------|--|
| Evaluation date: | 04/01/1997 |
| Evaluation: | FINANCIAL RECORD REVIEW |
| Area of violation: | Not reported |
| Date achieved compliance: | Not reported |
| Evaluation lead agency: | State |
| Evaluation date: | 12/20/1996 |
| Evaluation: | COMPLIANCE EVALUATION INSPECTION ON-SITE |
| Area of violation: | Not reported |
| Date achieved compliance: | Not reported |
| Evaluation lead agency: | State |
| Evaluation date: | 11/25/1996 |
| Evaluation: | CORRECTIVE ACTION COMPLIANCE EVALUATION |
| Area of violation: | Not reported |
| Date achieved compliance: | Not reported |
| Evaluation lead agency: | State |
| Evaluation date: | 11/15/1996 |
| Evaluation: | FOCUSED COMPLIANCE INSPECTION |
| Area of violation: | Not reported |
| Date achieved compliance: | Not reported |
| Evaluation lead agency: | State |
| Evaluation date: | 11/08/1996 |
| Evaluation: | FOCUSED COMPLIANCE INSPECTION |
| Area of violation: | Not reported |
| Date achieved compliance: | Not reported |
| Evaluation lead agency: | State |
| Evaluation date: | 10/25/1996 |
| Evaluation: | FOCUSED COMPLIANCE INSPECTION |
| Area of violation: | Not reported |
| Date achieved compliance: | Not reported |
| Evaluation lead agency: | State |
| Evaluation date: | 08/23/1996 |
| Evaluation: | CORRECTIVE ACTION COMPLIANCE EVALUATION |
| Area of violation: | Not reported |
| Date achieved compliance: | Not reported |
| Evaluation lead agency: | State |
| Evaluation date: | 07/31/1996 |
| Evaluation: | CORRECTIVE ACTION COMPLIANCE EVALUATION |
| Area of violation: | Not reported |
| Date achieved compliance: | Not reported |
| Evaluation lead agency: | State |
| Evaluation date: | 07/22/1996 |
| Evaluation: | CORRECTIVE ACTION COMPLIANCE EVALUATION |
| Area of violation: | Not reported |
| Date achieved compliance: | Not reported |
| Evaluation lead agency: | State |
| Evaluation date: | 06/26/1996 |
| Evaluation: | CORRECTIVE ACTION COMPLIANCE EVALUATION |
| Area of violation: | Not reported |

Map ID
Direction
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

VISTEON MONROE (Continued)

1000183618

Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 06/25/1996
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 06/14/1996
Evaluation: CORRECTIVE ACTION COMPLIANCE EVALUATION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 05/31/1996
Evaluation: CORRECTIVE ACTION COMPLIANCE EVALUATION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 05/23/1996
Evaluation: CORRECTIVE ACTION COMPLIANCE EVALUATION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 04/16/1996
Evaluation: FOCUSED COMPLIANCE INSPECTION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 03/31/1996
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 02/15/1996
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 11/21/1995
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Pre-transport
Date achieved compliance: 01/08/1996
Evaluation lead agency: State

Evaluation date: 08/03/1995
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Map ID
Direction
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

VISTEON MONROE (Continued)

1000183618

| | |
|---------------------------|--|
| Evaluation date: | 07/28/1994 |
| Evaluation: | FINANCIAL RECORD REVIEW |
| Area of violation: | Not reported |
| Date achieved compliance: | Not reported |
| Evaluation lead agency: | State |
| Evaluation date: | 07/05/1994 |
| Evaluation: | NON-FINANCIAL RECORD REVIEW |
| Area of violation: | Not reported |
| Date achieved compliance: | Not reported |
| Evaluation lead agency: | State |
| Evaluation date: | 06/20/1994 |
| Evaluation: | COMPLIANCE EVALUATION INSPECTION ON-SITE |
| Area of violation: | TSD - General |
| Date achieved compliance: | 11/14/1994 |
| Evaluation lead agency: | State |
| Evaluation date: | 05/05/1994 |
| Evaluation: | NON-FINANCIAL RECORD REVIEW |
| Area of violation: | Not reported |
| Date achieved compliance: | Not reported |
| Evaluation lead agency: | State |
| Evaluation date: | 02/02/1994 |
| Evaluation: | NON-FINANCIAL RECORD REVIEW |
| Area of violation: | Not reported |
| Date achieved compliance: | Not reported |
| Evaluation lead agency: | State |
| Evaluation date: | 09/27/1993 |
| Evaluation: | GROUNDWATER MONITORING EVALUATION |
| Area of violation: | TSD IS-Ground-Water Monitoring |
| Date achieved compliance: | 01/01/2000 |
| Evaluation lead agency: | State |
| Evaluation date: | 08/31/1993 |
| Evaluation: | FINANCIAL RECORD REVIEW |
| Area of violation: | Not reported |
| Date achieved compliance: | Not reported |
| Evaluation lead agency: | State |
| Evaluation date: | 03/29/1993 |
| Evaluation: | NON-FINANCIAL RECORD REVIEW |
| Area of violation: | Not reported |
| Date achieved compliance: | Not reported |
| Evaluation lead agency: | State |
| Evaluation date: | 03/25/1993 |
| Evaluation: | NON-FINANCIAL RECORD REVIEW |
| Area of violation: | Not reported |
| Date achieved compliance: | Not reported |
| Evaluation lead agency: | State |
| Evaluation date: | 12/01/1992 |
| Evaluation: | NON-FINANCIAL RECORD REVIEW |
| Area of violation: | TSD IS-Ground-Water Monitoring |

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

VISTEON MONROE (Continued)

1000183618

Date achieved compliance: 01/06/1993
Evaluation lead agency: State

Evaluation date: 08/05/1992
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 10/21/1992
Evaluation lead agency: State

Evaluation date: 08/05/1992
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: LDR - General
Date achieved compliance: 10/21/1992
Evaluation lead agency: State

Evaluation date: 07/15/1992
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 06/05/1992
Evaluation: FOCUSED COMPLIANCE INSPECTION
Area of violation: TSD IS-Ground-Water Monitoring
Date achieved compliance: 01/06/1993
Evaluation lead agency: State

Evaluation date: 03/18/1992
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: TSD IS-Ground-Water Monitoring
Date achieved compliance: 01/06/1993
Evaluation lead agency: State

Evaluation date: 07/23/1991
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: LDR - General
Date achieved compliance: 10/30/1991
Evaluation lead agency: State

Evaluation date: 07/23/1991
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 10/30/1991
Evaluation lead agency: State

Evaluation date: 05/14/1991
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 09/05/1990
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 12/13/1990
Evaluation lead agency: State

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

VISTEON MONROE (Continued)

1000183618

Evaluation date: 09/05/1990
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: LDR - General
Date achieved compliance: 12/13/1990
Evaluation lead agency: State

Evaluation date: 05/14/1990
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 11/17/1989
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: TSD - Closure/Post-Closure
Date achieved compliance: 05/14/1990
Evaluation lead agency: State

Evaluation date: 08/01/1989
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 08/01/1989
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 09/22/1988
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 09/22/1988
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: LDR - General
Date achieved compliance: 03/15/1989
Evaluation lead agency: State

Evaluation date: 09/22/1988
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 03/15/1989
Evaluation lead agency: State

Evaluation date: 09/30/1987
Evaluation: GROUNDWATER MONITORING EVALUATION
Area of violation: TSD IS-Ground-Water Monitoring
Date achieved compliance: 12/18/1987
Evaluation lead agency: State

Evaluation date: 09/10/1987
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

VISTEON MONROE (Continued)

1000183618

Date achieved compliance: 03/31/1988
Evaluation lead agency: State

Evaluation date: 09/01/1987
Evaluation: GROUNDWATER MONITORING EVALUATION
Area of violation: TSD IS-Ground-Water Monitoring
Date achieved compliance: 12/18/1987
Evaluation lead agency: State

Evaluation date: 08/05/1987
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 06/12/1987
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 08/30/1986
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: TSD IS-Ground-Water Monitoring
Date achieved compliance: 12/18/1987
Evaluation lead agency: EPA

Evaluation date: 04/01/1986
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA

Evaluation date: 02/26/1986
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: TSD IS-Ground-Water Monitoring
Date achieved compliance: 04/09/1986
Evaluation lead agency: EPA

Evaluation date: 12/12/1985
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 03/07/1986
Evaluation lead agency: State

Evaluation date: 03/26/1985
Evaluation: GROUNDWATER MONITORING EVALUATION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 12/12/1984
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Closure/Post-Closure
Date achieved compliance: 01/31/1985
Evaluation lead agency: State

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

VISTEON MONROE (Continued)

1000183618

Evaluation date: 12/12/1984
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 01/31/1985
Evaluation lead agency: State

Evaluation date: 12/12/1984
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD IS-Ground-Water Monitoring
Date achieved compliance: 01/31/1985
Evaluation lead agency: State

Evaluation date: 08/01/1984
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: TSD IS-Ground-Water Monitoring
Date achieved compliance: 10/18/1984
Evaluation lead agency: EPA

Evaluation date: 06/25/1984
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA

Evaluation date: 11/08/1983
Evaluation: GROUNDWATER MONITORING EVALUATION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

CERCLIS:

Site ID: 0502236
EPA ID: MID005057005
Facility County: MONROE
Short Name: FORD MOTOR CO
Congressional District: 15
IFMS ID: 05SR
SMSA Number: 8400
USGC Hydro Unit: 04100002
Federal Facility: Not a Federal Facility
DMNSN Number: Not reported
Site Orphan Flag: N
RCRA ID: Not reported
USGS Quadrangle: Not reported
Site Init By Prog: Not reported
NFRAP Flag: Not reported
Parent ID: Not reported
RST Code: Not reported
EPA Region: 05
Classification: Not reported
Site Settings Code: Not reported
NPL Status: Not on the NPL
DMNSN Unit Code: Not reported
RBRAC Code: Not reported
RResp Fed Agency Code: Not reported
Non NPL Status: Referred to Removal - NFRAP
Non NPL Status Date: 20020730
Site Fips Code: 26115

Map ID
Direction
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

VISTEON MONROE (Continued)

1000183618

CC Concurrence Date: Not reported
CC Concurrence FY: Not reported
Alias EPA ID: Not reported
Site FUDS Flag: Not reported

CERCLIS Site Contact Name(s):

Contact ID: 5270172.00000
Contact Name: HANK ELLISON
Contact Tel: Not reported
Contact Title: On-Scene Coordinator (OSC)
Contact Email: Not reported

Contact ID: 5272819.00000
Contact Name: PATRICK HAMBLIN
Contact Tel: (312) 886-6312
Contact Title: Remedial Project Manager (RPM)
Contact Email: hamblin.patrick@epa.gov

CERCLIS Site Alias Name(s):

Alias ID: 101
Alias Name: FORD MOTOR CO MONROE PLT
Alias Address: Not reported
MI
Alias ID: 201
Alias Name: FORD MOTOR CO METAL STAMPING DIV
Alias Address: Not reported
MI
Alias ID: 301
Alias Name: FORD MOTOR CO
Alias Address: Not reported
MONROE, MI
Alias Comments: Not reported
Site Description: Not reported

CERCLIS Assessment History:

Action Code: 001
Action: PRELIMINARY ASSESSMENT
Date Started: Not reported
Date Completed: 03/01/1983
Priority Level: Low priority for further assessment
Operable Unit: SITEWIDE
Primary Responsibility: State, Fund Financed
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001
Action: DISCOVERY
Date Started: Not reported
Date Completed: 03/01/1983
Priority Level: Not reported
Operable Unit: SITEWIDE
Primary Responsibility: EPA Fund-Financed

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

VISTEON MONROE (Continued)

1000183618

Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001
Action: HAZARD RANKING SYSTEM PACKAGE
Date Started: Not reported
Date Completed: 11/01/1983
Priority Level: Not reported
Operable Unit: SITEWIDE
Primary Responsibility: Other
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001
Action: SITE INSPECTION
Date Started: Not reported
Date Completed: 11/01/1983
Priority Level: NFRAP-Site does not qualify for the NPL based on existing information
Operable Unit: SITEWIDE
Primary Responsibility: EPA Fund-Financed
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001
Action: Notice Letters Issued
Date Started: Not reported
Date Completed: 11/16/1992
Priority Level: Not reported
Operable Unit: SITEWIDE
Primary Responsibility: Federal Enforcement
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001
Action: ADMINISTRATIVE ORDER ON CONSENT
Date Started: Not reported
Date Completed: 06/07/1993
Priority Level: Not reported
Operable Unit: SITEWIDE
Primary Responsibility: Federal Enforcement
Planning Status: Primary
Urgency Indicator: Not reported
Action Anomaly: Not reported

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

VISTEON MONROE (Continued)

1000183618

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001
Action: ENGINEERING EVALUATION/COST ANALYSIS
Date Started: 04/06/1994
Date Completed: 09/23/1994
Priority Level: Not reported
Operable Unit: SITEWIDE
Primary Responsibility: Responsible Party
Planning Status: Primary
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001
Action: RESOURCE CONSERVATION AND RECOVERY ACT SB/RTC
Date Started: Not reported
Date Completed: 04/13/1995
Priority Level: Not reported
Operable Unit: SITEWIDE
Primary Responsibility: EPA Fund-Financed
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 002
Action: ADMINISTRATIVE ORDER ON CONSENT
Date Started: Not reported
Date Completed: 02/20/1997
Priority Level: Not reported
Operable Unit: SITEWIDE
Primary Responsibility: Federal Enforcement
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001
Action: NON-NATIONAL PRIORITIES LIST POTENTIALLY RESPONSIBLE PARTY SEARCH
Date Started: Not reported
Date Completed: 09/19/1999
Priority Level: Not reported
Operable Unit: SITEWIDE
Primary Responsibility: Federal Enforcement
Planning Status: Primary
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Map ID
Direction
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

VISTEON MONROE (Continued)

1000183618

Action Code: 001
Action: POTENTIALLY RESPONSIBLE PARTY REMOVAL
Date Started: 05/10/1993
Date Completed: 09/19/1999
Priority Level: Cleaned up
Operable Unit: SITEWIDE
Primary Responsibility: Responsible Party
Planning Status: Primary
Urgency Indicator: Non-Time Critical
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

[Click this hyperlink](#) while viewing on your computer to access
20 additional US CERCLIS Financial: record(s) in the EDR Site Report.

CORRACTS:

EPA ID: MID005057005
EPA Region: 5
Area Name: ENTIRE FACILITY
Actual Date: 3/23/1987
Action: CA050 - RFA Completed
NAICS Code(s): 49319
Other Warehousing and Storage
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: MID005057005
EPA Region: 5
Area Name: ENTIRE FACILITY
Actual Date: 3/23/1987
Action: CA070YE - RFA Determination Of Need For An RFI, RFI is Necessary
NAICS Code(s): 49319
Other Warehousing and Storage
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: MID005057005
EPA Region: 5
Area Name: GROUNDWATER
Actual Date: 3/25/2005
Action: CA750YE - Migration of Contaminated Groundwater under Control, Yes,
Migration of Contaminated Groundwater Under Control has been verified
NAICS Code(s): 49319
Other Warehousing and Storage
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: MID005057005
EPA Region: 5
Area Name: HW SURFACE IMPOUNDMENTS
Actual Date: 3/25/2005
Action: CA750YE - Migration of Contaminated Groundwater under Control, Yes,
Migration of Contaminated Groundwater Under Control has been verified
NAICS Code(s): 49319
Other Warehousing and Storage

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

VISTEON MONROE (Continued)

1000183618

Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: MID005057005
EPA Region: 5
Area Name: ENTIRE FACILITY
Actual Date: 3/25/2005
Action: CA750YE - Migration of Contaminated Groundwater under Control, Yes,
Migration of Contaminated Groundwater Under Control has been verified
NAICS Code(s): 49319
Other Warehousing and Storage

Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: MID005057005
EPA Region: 5
Area Name: HW SURFACE IMPOUNDMENTS
Actual Date: 3/27/1995
Action: CA100DC - RFI Imposition, Focused data collection required for
stabilization evaluation
NAICS Code(s): 49319
Other Warehousing and Storage
Original schedule date: 03/27/1995
Schedule end date: Not reported

EPA ID: MID005057005
EPA Region: 5
Area Name: HW SURFACE IMPOUNDMENTS
Actual Date: 3/27/1995
Action: CA600 - Stabilization Measures Implemented
NAICS Code(s): 49319
Other Warehousing and Storage
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: MID005057005
EPA Region: 5
Area Name: HW SURFACE IMPOUNDMENTS
Actual Date: 6/27/1995
Action: CA110 - RFI Workplan Received
NAICS Code(s): 49319
Other Warehousing and Storage
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: MID005057005
EPA Region: 5
Area Name: ENTIRE FACILITY
Actual Date: 8/28/1997
Action: CA750IN - Migration of Contaminated Groundwater under Control, More
information is needed to make a determination
NAICS Code(s): 49319
Other Warehousing and Storage
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: MID005057005

Map ID
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MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

VISTEON MONROE (Continued)

1000183618

EPA Region: 5
Area Name: ENTIRE FACILITY
Actual Date: 8/28/1997
Action: CA725IN - Current Human Exposures Under Control, More information is needed to make a determination
NAICS Code(s): 49319
Other Warehousing and Storage
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: MID005057005
EPA Region: 5
Area Name: HW SURFACE IMPOUNDMENTS
Actual Date: 9/11/1995
Action: CA650 - Stabilization Construction Completed
NAICS Code(s): 49319
Other Warehousing and Storage
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: MID005057005
EPA Region: 5
Area Name: GROUNDWATER
Actual Date: 9/24/1998
Action: CA110 - RFI Workplan Received
NAICS Code(s): 49319
Other Warehousing and Storage
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: MID005057005
EPA Region: 5
Area Name: ENTIRE FACILITY
Actual Date: 9/27/1991
Action: CA075HI - CA Prioritization, Facility or area was assigned a high corrective action priority
NAICS Code(s): 49319
Other Warehousing and Storage
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: MID005057005
EPA Region: 5
Area Name: ENTIRE FACILITY
Actual Date: 10/1/2001
Action: CA725YE - Current Human Exposures Under Control, Yes, Current Human Exposures Under Control has been verified
NAICS Code(s): 49319
Other Warehousing and Storage
Original schedule date: 09/30/2001
Schedule end date: Not reported

EPA ID: MID005057005
EPA Region: 5
Area Name: GROUNDWATER
Actual Date: 11/11/1998
Action: CA150 - RFI Workplan Approved

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

VISTEON MONROE (Continued)

1000183618

NAICS Code(s): 49319
Other Warehousing and Storage
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: MID005057005
EPA Region: 5
Area Name: ENTIRE FACILITY
Actual Date: 12/14/1992
Action: CA225YE - Stabilization Measures Evaluation, This facility ,is amenable to stabilization activity based on the, status of corrective action work at the facility, technical factors, the degree of risk, timing considerations and administrative considerations

NAICS Code(s): 49319
Other Warehousing and Storage
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: MID005057005
EPA Region: 5
Area Name: HW SURFACE IMPOUNDMENTS
Actual Date: Not reported
Action: CA400 - Date For Remedy Selection (CM Imposed)
NAICS Code(s): 49319
Other Warehousing and Storage
Original schedule date: 10/30/2000
Schedule end date: Not reported

EPA ID: MID005057005
EPA Region: 5
Area Name: HW SURFACE IMPOUNDMENTS
Actual Date: Not reported
Action: CA500 - CMI Workplan Approved
NAICS Code(s): 49319
Other Warehousing and Storage
Original schedule date: 10/30/2001
Schedule end date: Not reported

EPA ID: MID005057005
EPA Region: 5
Area Name: HW SURFACE IMPOUNDMENTS
Actual Date: Not reported
Action: CA550 - Certification Of Remedy Completion Or Construction Completion
NAICS Code(s): 49319
Other Warehousing and Storage
Original schedule date: 10/30/2002
Schedule end date: Not reported

EPA ID: MID005057005
EPA Region: 5
Area Name: HW SURFACE IMPOUNDMENTS
Actual Date: Not reported
Action: CA200 - RFI Approved
NAICS Code(s): 49319
Other Warehousing and Storage
Original schedule date: 10/30/1998
Schedule end date: Not reported

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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

VISTEON MONROE (Continued)

1000183618

EPA ID: MID005057005
EPA Region: 5
Area Name: HW SURFACE IMPOUNDMENTS
Actual Date: Not reported
Action: CA150 - RFI Workplan Approved
NAICS Code(s): 49319
Other Warehousing and Storage
Original schedule date: 09/30/1997
Schedule end date: Not reported

EPA ID: MID005057005
EPA Region: 5
Area Name: HW SURFACE IMPOUNDMENTS
Actual Date: Not reported
Action: CA350 - CMS Approved
NAICS Code(s): 49319
Other Warehousing and Storage
Original schedule date: 10/30/1999
Schedule end date: Not reported

PADS:

EPAID: MID005057005
Facility name: FORD MOTOR MONROE PLT
Facility Address: 3200 E ELM ST
MONROE, MI 48161
Facility country: US
Generator: Yes
Storer: No
Transporter: No
Disposer: No
Research facility: No
Smelter: No
Facility owner name: FORD MOTOR CO
Contact title: Not reported
Contact name: DANIEL B R
Contact tel: (313)243-4732
Contact extension: Not reported
Mailing address: 3200 E ELM ST
MONROE, MI 48161
Mailing country: US
Cert. title: Not reported
Cert. name: Not reported
Cert. date: 4/12/1990
Date received: 6/6/1990

FINDS:

Registry ID: 110000405936

Environmental Interest/Information System

AFS (Aerometric Information Retrieval System (AIRS) Facility Subsystem) replaces the former Compliance Data System (CDS), the National Emission Data System (NEDS), and the Storage and Retrieval of Aerometric Data (SAROAD). AIRS is the national repository for information concerning airborne pollution in the United States. AFS is used to track emissions and compliance data from industrial plants.

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EDR ID Number
EPA ID Number

VISTEON MONROE (Continued)

1000183618

AFS data are utilized by states to prepare State Implementation Plans to comply with regulatory programs and by EPA as an input for the estimation of total national emissions. AFS is undergoing a major redesign to support facility operating permits required under Title V of the Clean Air Act.

The NEI (National Emissions Inventory) database contains information on stationary and mobile sources that emit criteria air pollutants and their precursors, as well as hazardous air pollutants (HAPs).

US EPA Air Quality System (AQS) contains ambient air pollution data collected by EPA, State, Local, and Tribal air pollution control agencies from thousands of monitoring stations.

US EPA TRIS (Toxics Release Inventory System) contains information from facilities on the amounts of over 300 listed toxic chemicals that these facilities release directly to air, water, land, or that are transported off-site.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

CERCLIS (Comprehensive Environmental Response, Compensation, and Liability Information System) is the Superfund database that is used to support management in all phases of the Superfund program. The system contains information on all aspects of hazardous waste sites, including an inventory of sites, planned and actual site activities, and financial information.

ICIS (Integrated Compliance Information System) is the Integrated Compliance Information System and provides a database that, when complete, will contain integrated Enforcement and Compliance information across most of EPA's programs. The vision for ICIS is to replace EPA's independent databases that contain Enforcement data with a single repository for that information. Currently, ICIS contains all Federal Administrative and Judicial enforcement actions. This information is maintained in ICIS by EPA in the Regional offices and it Headquarters. A future release of ICIS will replace the Permit Compliance System (PCS) which supports the NPDES and will integrate that information with Federal actions already in the system. ICIS also has the capability to track other activities occurring in the Region that support Compliance and Enforcement programs. These include; Incident Tracking, Compliance Assistance, and Compliance Monitoring.

UST:

Facility ID: 00010826
Facility Type: ACTIVE
Latitude: 41.9033840000
Longitude: -83.3549830000
Owner Name: Ford Motor Co - Environmental Quality Office
Owner Address: Fairlane Plaza North 290 Town Center Dr Suite 800
Owner City,St,Zip: Dearborn, MI 48126

Map ID
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

VISTEON MONROE (Continued)

1000183618

Owner Country: USA
Owner Contact: Not reported
Owner Phone: (313) 322-3891
Contact: Timothy Buisch
Contact Phone: (313) 805-5374
Date of Collection: 21-10-2003
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Datum: NAD83
Source: STATE OF MICHIGAN
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)
Method of Collection: GPS Code Meas. Standard Positioning Service SA Off

Tank ID: 1
Tank Status: Removed from Ground
Capacity: 10000
Install Date: May 1 1979
Product: Hazardous Substance
Remove Date: Jun 1 1992
Tank Release Detection: Not reported
Pipe Release Detection: Not reported
Piping Material: LINED PIPE
Piping Type: Not reported
Constr Material: Asphalt Coated or Bare Steel,Lined Interior
Impressed Device: No

Tank ID: 2
Tank Status: Removed from Ground
Capacity: 5000
Install Date: Apr 30 1984
Product: Gasoline
Remove Date: Dec 22 1990
Tank Release Detection: Not reported
Pipe Release Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Not reported
Constr Material: Asphalt Coated or Bare Steel,Cathodically Protected Steel
Impressed Device: No

Tank ID: 3
Tank Status: Removed from Ground
Capacity: 1500
Install Date: Apr 30 1984
Product: Gasoline
Remove Date: Dec 22 1990
Tank Release Detection: Not reported
Pipe Release Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Not reported
Constr Material: Asphalt Coated or Bare Steel,Cathodically Protected Steel
Impressed Device: No

Tank ID: 4

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

VISTEON MONROE (Continued)

1000183618

Tank Status: Temporarily out of Use
Capacity: 8000
Install Date: Apr 1 1992
Product: Gasoline, Diesel
Remove Date: Not reported
Tank Release Detection: Tank Tightness Testing, Inventory Control, Automatic Tank Gauging, Interstitial Monitoring Double Walled Tank
Pipe Release Detection: Interstitial Monitoring Double Walled Piping, Line Tightness Testing
Piping Material: Double Walled
Piping Type: Suction: No Valve At Tank
Constr Material: Epoxy Coated Steel, Double Walled
Impressed Device: No

NY MANIFEST:

EPA ID: MID005057005
Country: USA
Mailing Name: FORD MOTOR CO
Mailing Contact: NEIL SMITH
Mailing Address: 3200 E ELM AVE
Mailing Address 2: Not reported
Mailing City: MONROE
Mailing State: MI
Mailing Zip: 48161
Mailing Zip4: Not reported
Mailing Country: USA
Mailing Phone: 313-243-4859

Document ID: NYB7734987
Manifest Status: Completed copy
Trans1 State ID: 11785PNY
Trans2 State ID: PD9945NY
Generator Ship Date: 960403
Trans1 Recv Date: 960403
Trans2 Recv Date: 960408
TSD Site Recv Date: 960408
Part A Recv Date: 960424
Part B Recv Date: 960417
Generator EPA ID: MID005057005
Trans1 EPA ID: NYD980769947
Trans2 EPA ID: Not reported
TSDF ID: NYD049836679
Waste Code: D009 - MERCURY 0.2 MG/L TCLP
Quantity: 00165
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 003
Container Type: DM - Metal drums, barrels
Handling Method: R Material recovery of more than 75 percent of the total material.
Specific Gravity: 100
Year: 96

Document ID: NYB8596485
Manifest Status: Completed copy
Trans1 State ID: 18143HNY
Trans2 State ID: Not reported
Generator Ship Date: 970415

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

VISTEON MONROE (Continued)

1000183618

Trans1 Recv Date: 970415
Trans2 Recv Date: Not reported
TSD Site Recv Date: 970416
Part A Recv Date: 970501
Part B Recv Date: 970429
Generator EPA ID: MID005057005
Trans1 EPA ID: NYD051809952
Trans2 EPA ID: Not reported
TSDF ID: NYD049836679
Waste Code: B007 - OTHER MISCELLANEOUS PCB WASTES
Quantity: 18343
Units: K - Kilograms (2.2 pounds)
Number of Containers: 001
Container Type: DT - Dump trucks
Handling Method: L Landfill.
Specific Gravity: 100
Year: 97

Document ID: NYB8596917
Manifest Status: Completed copy
Trans1 State ID: 22130HNY
Trans2 State ID: Not reported
Generator Ship Date: 970415
Trans1 Recv Date: 970415
Trans2 Recv Date: Not reported
TSD Site Recv Date: 970416
Part A Recv Date: 970501
Part B Recv Date: 970429
Generator EPA ID: MID005057005
Trans1 EPA ID: NYD051809952
Trans2 EPA ID: Not reported
TSDF ID: NYD049836679
Waste Code: B007 - OTHER MISCELLANEOUS PCB WASTES
Quantity: 17572
Units: K - Kilograms (2.2 pounds)
Number of Containers: 001
Container Type: DT - Dump trucks
Handling Method: L Landfill.
Specific Gravity: 100
Year: 97

Document ID: NYB8596935
Manifest Status: Completed copy
Trans1 State ID: 98289FNY
Trans2 State ID: Not reported
Generator Ship Date: 970416
Trans1 Recv Date: 970416
Trans2 Recv Date: Not reported
TSD Site Recv Date: 970417
Part A Recv Date: 970501
Part B Recv Date: 970429
Generator EPA ID: MID005057005
Trans1 EPA ID: NYD051809952
Trans2 EPA ID: Not reported
TSDF ID: NYD049836679

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

VISTEON MONROE (Continued)

1000183618

Waste Code: B007 - OTHER MISCELLANEOUS PCB WASTES
Quantity: 20220
Units: K - Kilograms (2.2 pounds)
Number of Containers: 001
Container Type: DT - Dump trucks
Handling Method: L Landfill.
Specific Gravity: 100
Year: 97

Document ID: NYB8596971
Manifest Status: Completed copy
Trans1 State ID: 45081TNY
Trans2 State ID: Not reported
Generator Ship Date: 970416
Trans1 Recv Date: 970416
Trans2 Recv Date: Not reported
TSD Site Recv Date: 970417
Part A Recv Date: 970501
Part B Recv Date: 970429
Generator EPA ID: MID005057005
Trans1 EPA ID: NYD051809952
Trans2 EPA ID: Not reported
TSDF ID: NYD049836679
Waste Code: B007 - OTHER MISCELLANEOUS PCB WASTES
Quantity: 13372
Units: K - Kilograms (2.2 pounds)
Number of Containers: 001
Container Type: DT - Dump trucks
Handling Method: L Landfill.
Specific Gravity: 100
Year: 97

Document ID: NYB8596467
Manifest Status: Completed copy
Trans1 State ID: 98834FNY
Trans2 State ID: Not reported
Generator Ship Date: 970415
Trans1 Recv Date: 970415
Trans2 Recv Date: Not reported
TSD Site Recv Date: 970416
Part A Recv Date: 970501
Part B Recv Date: 970429
Generator EPA ID: MID005057005
Trans1 EPA ID: NYD051809952
Trans2 EPA ID: Not reported
TSDF ID: NYD049836679
Waste Code: B007 - OTHER MISCELLANEOUS PCB WASTES
Quantity: 13862
Units: K - Kilograms (2.2 pounds)
Number of Containers: 001
Container Type: DT - Dump trucks
Handling Method: L Landfill.
Specific Gravity: 100
Year: 97

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

VISTEON MONROE (Continued)

1000183618

Document ID: NYB8597007
Manifest Status: Completed copy
Trans1 State ID: 95289FNY
Trans2 State ID: Not reported
Generator Ship Date: 970421
Trans1 Recv Date: 970421
Trans2 Recv Date: Not reported
TSD Site Recv Date: 970422
Part A Recv Date: 970501
Part B Recv Date: 970502
Generator EPA ID: MID005057005
Trans1 EPA ID: NYD051809952
Trans2 EPA ID: Not reported
TSD ID: NYD049836679
Waste Code: B007 - OTHER MISCELLANEOUS PCB WASTES
Quantity: 20403
Units: K - Kilograms (2.2 pounds)
Number of Containers: 001
Container Type: DT - Dump trucks
Handling Method: L Landfill.
Specific Gravity: 100
Year: 97

Document ID: NYB8596476
Manifest Status: Completed copy
Trans1 State ID: 358640NY
Trans2 State ID: Not reported
Generator Ship Date: 970415
Trans1 Recv Date: 970415
Trans2 Recv Date: Not reported
TSD Site Recv Date: 970416
Part A Recv Date: 970501
Part B Recv Date: 970429
Generator EPA ID: MID005057005
Trans1 EPA ID: NYD051809952
Trans2 EPA ID: Not reported
TSD ID: NYD049836679
Waste Code: B007 - OTHER MISCELLANEOUS PCB WASTES
Quantity: 17255
Units: K - Kilograms (2.2 pounds)
Number of Containers: 001
Container Type: DT - Dump trucks
Handling Method: L Landfill.
Specific Gravity: 100
Year: 97

Document ID: NYB8596314
Manifest Status: Completed copy
Trans1 State ID: 18143HNY
Trans2 State ID: Not reported
Generator Ship Date: 970423
Trans1 Recv Date: 970423
Trans2 Recv Date: Not reported
TSD Site Recv Date: 970424
Part A Recv Date: 970501

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

VISTEON MONROE (Continued)

1000183618

Part B Recv Date: 970502
Generator EPA ID: MID005057005
Trans1 EPA ID: NYD051809952
Trans2 EPA ID: Not reported
TSD ID: NYD049836679
Waste Code: B007 - OTHER MISCELLANEOUS PCB WASTES
Quantity: 19060
Units: K - Kilograms (2.2 pounds)
Number of Containers: 001
Container Type: DT - Dump trucks
Handling Method: L Landfill.
Specific Gravity: 100
Year: 97

Document ID: NYB8596944
Manifest Status: Completed copy
Trans1 State ID: 45093TNY
Trans2 State ID: Not reported
Generator Ship Date: 970416
Trans1 Recv Date: 970416
Trans2 Recv Date: Not reported
TSD Site Recv Date: 970417
Part A Recv Date: 970501
Part B Recv Date: 970429
Generator EPA ID: MID005057005
Trans1 EPA ID: NYD051809952
Trans2 EPA ID: Not reported
TSD ID: NYD049836679
Waste Code: B007 - OTHER MISCELLANEOUS PCB WASTES
Quantity: 18262
Units: K - Kilograms (2.2 pounds)
Number of Containers: 001
Container Type: DT - Dump trucks
Handling Method: L Landfill.
Specific Gravity: 100
Year: 97

Document ID: NYB8596953
Manifest Status: Completed copy
Trans1 State ID: 45084TNY
Trans2 State ID: Not reported
Generator Ship Date: 970416
Trans1 Recv Date: 970416
Trans2 Recv Date: Not reported
TSD Site Recv Date: 970417
Part A Recv Date: 970501
Part B Recv Date: 970429
Generator EPA ID: MID005057005
Trans1 EPA ID: NYD051809952
Trans2 EPA ID: Not reported
TSD ID: NYD049836679
Waste Code: B007 - OTHER MISCELLANEOUS PCB WASTES
Quantity: 17581
Units: K - Kilograms (2.2 pounds)
Number of Containers: 001

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

VISTEON MONROE (Continued)

1000183618

| | |
|-----------------------|---------------------------------------|
| Container Type: | DT - Dump trucks |
| Handling Method: | L Landfill. |
| Specific Gravity: | 100 |
| Year: | 97 |
| Document ID: | NYB8596449 |
| Manifest Status: | Completed copy |
| Trans1 State ID: | 22866HNY |
| Trans2 State ID: | Not reported |
| Generator Ship Date: | 970414 |
| Trans1 Recv Date: | 970414 |
| Trans2 Recv Date: | Not reported |
| TSD Site Recv Date: | 970415 |
| Part A Recv Date: | 970501 |
| Part B Recv Date: | 970430 |
| Generator EPA ID: | MID005057005 |
| Trans1 EPA ID: | NYD051809952 |
| Trans2 EPA ID: | Not reported |
| TSD ID: | NYD049836679 |
| Waste Code: | B007 - OTHER MISCELLANEOUS PCB WASTES |
| Quantity: | 19160 |
| Units: | K - Kilograms (2.2 pounds) |
| Number of Containers: | 001 |
| Container Type: | DT - Dump trucks |
| Handling Method: | L Landfill. |
| Specific Gravity: | 100 |
| Year: | 97 |
| Document ID: | NYB8596305 |
| Manifest Status: | Completed copy |
| Trans1 State ID: | 23384HNY |
| Trans2 State ID: | Not reported |
| Generator Ship Date: | 970423 |
| Trans1 Recv Date: | 970423 |
| Trans2 Recv Date: | Not reported |
| TSD Site Recv Date: | 970424 |
| Part A Recv Date: | 970501 |
| Part B Recv Date: | 970502 |
| Generator EPA ID: | MID005057005 |
| Trans1 EPA ID: | NYD051809952 |
| Trans2 EPA ID: | Not reported |
| TSD ID: | NYD049836679 |
| Waste Code: | B007 - OTHER MISCELLANEOUS PCB WASTES |
| Quantity: | 17228 |
| Units: | K - Kilograms (2.2 pounds) |
| Number of Containers: | 001 |
| Container Type: | DT - Dump trucks |
| Handling Method: | L Landfill. |
| Specific Gravity: | 100 |
| Year: | 97 |
| Document ID: | NYB8596989 |
| Manifest Status: | Completed copy |
| Trans1 State ID: | 45081TNY |

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

VISTEON MONROE (Continued)

1000183618

Trans2 State ID: Not reported
Generator Ship Date: 970421
Trans1 Recv Date: 970421
Trans2 Recv Date: Not reported
TSD Site Recv Date: 970422
Part A Recv Date: 970501
Part B Recv Date: 970502
Generator EPA ID: MID005057005
Trans1 EPA ID: NYD051809952
Trans2 EPA ID: Not reported
TSD ID: NYD049836679
Waste Code: B007 - OTHER MISCELLANEOUS PCB WASTES
Quantity: 18915
Units: K - Kilograms (2.2 pounds)
Number of Containers: 001
Container Type: DT - Dump trucks
Handling Method: L Landfill.
Specific Gravity: 100
Year: 97

Document ID: NYB8596998
Manifest Status: Completed copy
Trans1 State ID: 25493HNY
Trans2 State ID: Not reported
Generator Ship Date: 970421
Trans1 Recv Date: 970421
Trans2 Recv Date: Not reported
TSD Site Recv Date: 970422
Part A Recv Date: 970501
Part B Recv Date: 970502
Generator EPA ID: MID005057005
Trans1 EPA ID: NYD051809952
Trans2 EPA ID: Not reported
TSD ID: NYD049836679
Waste Code: B007 - OTHER MISCELLANEOUS PCB WASTES
Quantity: 17854
Units: K - Kilograms (2.2 pounds)
Number of Containers: 001
Container Type: DT - Dump trucks
Handling Method: L Landfill.
Specific Gravity: 100
Year: 97

Document ID: NYB8596395
Manifest Status: Completed copy
Trans1 State ID: K53516NY
Trans2 State ID: Not reported
Generator Ship Date: 970414
Trans1 Recv Date: 970414
Trans2 Recv Date: Not reported
TSD Site Recv Date: 970415
Part A Recv Date: 970501
Part B Recv Date: 970430
Generator EPA ID: MID005057005
Trans1 EPA ID: NYD097644801

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

VISTEON MONROE (Continued)

1000183618

Trans2 EPA ID: Not reported
TSD ID: NYD049836679
Waste Code: B007 - OTHER MISCELLANEOUS PCB WASTES
Quantity: 15831
Units: K - Kilograms (2.2 pounds)
Number of Containers: 001
Container Type: DT - Dump trucks
Handling Method: L Landfill.
Specific Gravity: 100
Year: 97

Document ID: NYB8596458
Manifest Status: Completed copy
Trans1 State ID: 80724VNY
Trans2 State ID: Not reported
Generator Ship Date: 970414
Trans1 Recv Date: 970414
Trans2 Recv Date: Not reported
TSD Site Recv Date: 970415
Part A Recv Date: 970501
Part B Recv Date: 970430
Generator EPA ID: MID005057005
Trans1 EPA ID: NYD051809952
Trans2 EPA ID: Not reported
TSD ID: NYD049836679
Waste Code: B007 - OTHER MISCELLANEOUS PCB WASTES
Quantity: 16565
Units: K - Kilograms (2.2 pounds)
Number of Containers: 001
Container Type: DT - Dump trucks
Handling Method: L Landfill.
Specific Gravity: 100
Year: 97

Document ID: NYB8596926
Manifest Status: Completed copy
Trans1 State ID: 22869HNY
Trans2 State ID: Not reported
Generator Ship Date: 970415
Trans1 Recv Date: 970415
Trans2 Recv Date: Not reported
TSD Site Recv Date: 970416
Part A Recv Date: 970501
Part B Recv Date: 970429
Generator EPA ID: MID005057005
Trans1 EPA ID: NYD051809952
Trans2 EPA ID: Not reported
TSD ID: NYD049836679
Waste Code: B007 - OTHER MISCELLANEOUS PCB WASTES
Quantity: 17373
Units: K - Kilograms (2.2 pounds)
Number of Containers: 001
Container Type: DT - Dump trucks
Handling Method: L Landfill.
Specific Gravity: 100

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

VISTEON MONROE (Continued)

1000183618

Year: 97

FINANCIAL ASSURANCE:

EPA ID: MID005057005
Region: 1
Mechanism Type: BOND-AR
Total Amount: \$3,630,285.00

J58
ESE
1/2-1
0.668 mi.
3528 ft.

**AUTOMOTIVE COMPONENTS HOLDINGS, LLC
3200 EAST ELM AVENUE
MONROE, MI 48162**

**SHWS S105550879
NPDES N/A**

Site 2 of 2 in cluster J

**Relative:
Higher**

SHWS:

Facility ID: 58000007
Facility Status: Contact Lead Division for current status
Source: Plating & Polishing
SAM Score: 36
SAM Score Date: 9/21/1990
Township: 07S
Range: 09E
Section: 10
Quarter: SW
Quarter/Quarter: NE
Pollutants: Cu; Pb; Zn

**Actual:
579 ft.**

MI NPDES:

Permit Number: NEC156993
Permittee PO Box: N
Permittee Email: Not reported
Issue Date: 1/31/2011
Effective Date: 1/31/2011
Expiration Date: 1/31/2016
Permittee Name: Ford Motor Company
Permittee Address: 6200 Mercury Drive
Permittee Addr2: Not reported
Permittee City,St,Zip: Dearborn, MI 48126
Permit Type: NEC
Facility Name 2: Not reported
Facility Name 3: Monroe Plant
Facility Name 4: Not reported
Designed Name: Ford River Raisin Warehouse
Latitude: 41.90361
Lat Direction: N
Lat Type Code: LAT
Longitude: -83.352779999999996
Lon Direction: W
Lon Type Code: LON
Hydrologic Unit Code: 4100002

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

59
SW
1/2-1
0.704 mi.
3716 ft.

SALCO INDUSTRIAL SERVICE
704 CONANT
MONROE, MI 48161

CERC-NFRAP
CORRACTS
RCRA-NonGen
FINDS

1000175466
MID000722728

Relative:
Higher

CERC-NFRAP:

Site ID: 0502197
Federal Facility: Not a Federal Facility
NPL Status: Not on the NPL
Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

Actual:
581 ft.

CERCLIS-NFRAP Site Contact Details:

Contact Sequence ID: 5293659.00000
Person ID: 5270173.00000

CERCLIS-NFRAP Site Alias Name(s):

Alias Name: SALCO CORP DBA CIS
Alias Address: Not reported
MI

Alias Name: SALCO INC
Alias Address: 704 CONANT
MONROE, MI 48161

Alias Name: SALCO INCORPORATION
Alias Address: 704 CONANT
MONROE, MI 48161

Program Priority:

Description: Great Lakes

CERCLIS-NFRAP Assessment History:

Action: DISCOVERY
Date Started: Not reported
Date Completed: 10/28/1985
Priority Level: Not reported

Action: PRELIMINARY ASSESSMENT
Date Started: Not reported
Date Completed: 12/10/1985
Priority Level: Higher priority for further assessment

Action: ARCHIVE SITE
Date Started: Not reported
Date Completed: 02/07/1990
Priority Level: Not reported

Action: PRELIMINARY ASSESSMENT
Date Started: Not reported
Date Completed: 02/07/1990
Priority Level: NFRAP-Site does not qualify for the NPL based on existing information

Action: ISSUE REQUEST LETTERS (104E)
Date Started: Not reported
Date Completed: 02/16/1995
Priority Level: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SALCO INDUSTRIAL SERVICE (Continued)

1000175466

Action: Notice Letters Issued
Date Started: Not reported
Date Completed: 03/10/1995
Priority Level: Not reported

Action: ISSUE REQUEST LETTERS (104E)
Date Started: Not reported
Date Completed: 03/27/1995
Priority Level: Not reported

Action: Notice Letters Issued
Date Started: Not reported
Date Completed: 03/27/1995
Priority Level: Not reported

Action: Notice Letters Issued
Date Started: Not reported
Date Completed: 05/18/1995
Priority Level: Not reported

Action: Notice Letters Issued
Date Started: Not reported
Date Completed: 05/18/1995
Priority Level: Not reported

Action: ISSUE REQUEST LETTERS (104E)
Date Started: Not reported
Date Completed: 05/18/1995
Priority Level: Not reported

Action: ADMINISTRATIVE ORDER ON CONSENT
Date Started: Not reported
Date Completed: 11/28/1995
Priority Level: Not reported

Action: Notice Letters Issued
Date Started: Not reported
Date Completed: 11/30/1995
Priority Level: Not reported

Action: REMOVAL
Date Started: 04/19/1995
Date Completed: 02/25/1996
Priority Level: Stabilized

Action: Notice Letters Issued
Date Started: Not reported
Date Completed: 03/07/1996
Priority Level: Not reported

Action: Notice Letters Issued
Date Started: Not reported
Date Completed: 03/07/1996
Priority Level: Not reported

Action: Notice Letters Issued
Date Started: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SALCO INDUSTRIAL SERVICE (Continued)

1000175466

Date Completed: 04/10/1996
Priority Level: Not reported

Action: NON-NATIONAL PRIORITIES LIST POTENTIALLY RESPONSIBLE PARTY SEARCH
Date Started: 10/01/1995
Date Completed: 06/05/1996
Priority Level: Search Complete, Viable PRPs

Action: ISSUE REQUEST LETTERS (104E)
Date Started: Not reported
Date Completed: 06/12/1996
Priority Level: Not reported

Action: ADMINISTRATIVE ORDER ON CONSENT
Date Started: Not reported
Date Completed: 12/10/1996
Priority Level: Not reported

Action: POTENTIALLY RESPONSIBLE PARTY REMOVAL
Date Started: 02/26/1996
Date Completed: 01/26/1997
Priority Level: Cleaned up

Action: POTENTIALLY RESPONSIBLE PARTY REMOVAL
Date Started: 01/28/1997
Date Completed: 11/13/1997
Priority Level: Cleaned up

CORRACTS:

EPA ID: MID000722728
EPA Region: 5
Area Name: ENTIRE FACILITY
Actual Date: 3/31/1994
Action: CA075LO - CA Prioritization, Facility or area was assigned a low corrective action priority
NAICS Code(s): 33122
Rolling and Drawing of Purchased Steel
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: MID000722728
EPA Region: 5
Area Name: ENTIRE FACILITY
Actual Date: 5/1/2009
Action: CA070NO - RFA Determination Of Need For An RFI, RFI is Not Necessary
NAICS Code(s): 33122
Rolling and Drawing of Purchased Steel
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: MID000722728
EPA Region: 5
Area Name: ENTIRE FACILITY
Actual Date: 5/14/1990
Action: CA050 - RFA Completed

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SALCO INDUSTRIAL SERVICE (Continued)

1000175466

NAICS Code(s): 33122
Rolling and Drawing of Purchased Steel
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: MID000722728
EPA Region: 5
Area Name: ENTIRE FACILITY
Actual Date: 5/14/1990
Action: CA070YE - RFA Determination Of Need For An RFI, RFI is Necessary
NAICS Code(s): 33122
Rolling and Drawing of Purchased Steel
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: MID000722728
EPA Region: 5
Area Name: ENTIRE FACILITY
Actual Date: 9/27/1991
Action: CA075LO - CA Prioritization, Facility or area was assigned a low
corrective action priority
NAICS Code(s): 33122
Rolling and Drawing of Purchased Steel
Original schedule date: Not reported
Schedule end date: Not reported

RCRA-NonGen:

Date form received by agency: 03/01/2002
Facility name: SALCO INC
Facility address: 704 CONANT ST
MONROE, MI 48161
EPA ID: MID000722728
Contact: KENNETH TARTER
Contact address: Not reported
Not reported
Contact country: Not reported
Contact telephone: (313) 243-2820
Contact email: Not reported
EPA Region: 05
Land type: Private
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: SALCO INC
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 01/01/1970
Owner/Op end date: Not reported

Owner/operator name: SALCO (AFFILIATE OF COUSINS WASTE)
Owner/operator address: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SALCO INDUSTRIAL SERVICE (Continued)

1000175466

Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 01/01/1970
Owner/Op end date: Not reported

Owner/operator name: SALCO (AFFILIATE OF COUSINS WASTE)
Owner/operator address: Not reported
Not reported
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 01/01/1970
Owner/Op end date: Not reported

Owner/operator name: SALCO INC
Owner/operator address: Not reported
Not reported
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 01/01/1970
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
Used oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:

Date form received by agency: 12/31/2001
Facility name: SALCO INC
Classification: Not a generator, verified

Date form received by agency: 04/05/2001
Facility name: SALCO INC
Classification: Small Quantity Generator

Date form received by agency: 07/28/1995
Facility name: SALCO INC

Map ID
Direction
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Elevation

MAP FINDINGS

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EDR ID Number
EPA ID Number

SALCO INDUSTRIAL SERVICE (Continued)

1000175466

Classification: Small Quantity Generator

Date form received by agency: 11/19/1980

Facility name: SALCO INC

Classification: Not a generator, verified

Date form received by agency: 08/18/1980

Facility name: SALCO INC

Classification: Small Quantity Generator

Hazardous Waste Summary:

Waste code: D001

Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Corrective Action Summary:

Event date: 05/14/1990

Event: RFA Completed

Event date: 05/14/1990

Event: RFA Determination Of Need For An RFI, RFI is Necessary;

Event date: 09/27/1991

Event: CA Prioritization, Facility or area was assigned a low corrective action priority.

Event date: 03/31/1994

Event: CA Prioritization, Facility or area was assigned a low corrective action priority.

Event date: 05/01/2009

Event: RFA Determination Of Need For An RFI, RFI is Not Necessary;

Facility Has Received Notices of Violations:

Regulation violated: Not reported

Area of violation: State Statute or Regulation

Date violation determined: 12/18/2001

Date achieved compliance: Not reported

Violation lead agency: State

Enforcement action: WRITTEN INFORMAL

Enforcement action date: 12/18/2001

Enf. disposition status: Not reported

Enf. disp. status date: Not reported

Enforcement lead agency: State

Proposed penalty amount: Not reported

Final penalty amount: Not reported

Paid penalty amount: Not reported

Regulation violated: Not reported

Area of violation: TSD - Closure/Post-Closure

Date violation determined: 01/13/1992

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EPA ID Number

SALCO INDUSTRIAL SERVICE (Continued)

1000175466

Date achieved compliance: 03/25/1993
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 01/13/1992
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Financial Requirements
Date violation determined: 01/13/1992
Date achieved compliance: 03/25/1993
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 01/13/1992
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 01/13/1992
Date achieved compliance: 03/25/1993
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 01/13/1992
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Financial Requirements
Date violation determined: 09/16/1991
Date achieved compliance: 03/25/1993
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 09/16/1991
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 12/18/1990
Date achieved compliance: 03/25/1993

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Database(s)

EDR ID Number
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SALCO INDUSTRIAL SERVICE (Continued)

1000175466

Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 01/11/1991
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Closure/Post-Closure
Date violation determined: 12/18/1990
Date achieved compliance: 03/25/1993
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 01/11/1991
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 06/28/1990
Date achieved compliance: 03/25/1993
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 07/26/1990
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Transporters - General
Date violation determined: 03/29/1990
Date achieved compliance: 10/09/1990
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 04/18/1990
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Financial Requirements
Date violation determined: 01/31/1990
Date achieved compliance: 03/25/1993
Violation lead agency: State

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EDR ID Number
EPA ID Number

SALCO INDUSTRIAL SERVICE (Continued)

1000175466

Enforcement action: WRITTEN INFORMAL
Enforcement action date: 01/31/1990
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Closure/Post-Closure
Date violation determined: 01/23/1990
Date achieved compliance: 03/25/1993
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 01/31/1990
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Financial Requirements
Date violation determined: 03/17/1989
Date achieved compliance: 03/25/1993
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 03/17/1989
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Closure/Post-Closure
Date violation determined: 03/03/1989
Date achieved compliance: 01/23/1990
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 03/17/1989
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 03/03/1989
Date achieved compliance: 01/23/1990
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL

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Database(s)

EDR ID Number
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SALCO INDUSTRIAL SERVICE (Continued)

1000175466

Enforcement action date: 03/17/1989
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Transporters - General
Date violation determined: 03/04/1987
Date achieved compliance: 03/03/1989
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD IS-Ground-Water Monitoring
Date violation determined: 09/05/1985
Date achieved compliance: 08/11/1986
Violation lead agency: EPA
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 07/08/1986
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: 4600
Final penalty amount: 4600
Paid penalty amount: 4600

Regulation violated: Not reported
Area of violation: TSD IS-Ground-Water Monitoring
Date violation determined: 09/05/1985
Date achieved compliance: 08/11/1986
Violation lead agency: EPA
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 02/28/1986
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: 7500
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Transporters - General
Date violation determined: 05/16/1985
Date achieved compliance: 10/21/1986
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 06/28/1985

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SALCO INDUSTRIAL SERVICE (Continued)

1000175466

Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Transporters - General
Date violation determined: 05/16/1985
Date achieved compliance: 10/21/1986
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 05/22/1985
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD IS-Ground-Water Monitoring
Date violation determined: 02/28/1985
Date achieved compliance: 08/11/1986
Violation lead agency: EPA
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 09/18/1985
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Financial Requirements
Date violation determined: 07/16/1984
Date achieved compliance: 11/01/1984
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Financial Requirements
Date violation determined: 06/16/1984
Date achieved compliance: 08/28/1984
Violation lead agency: EPA
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 08/28/1984
Enf. disposition status: Not reported

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Database(s)

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SALCO INDUSTRIAL SERVICE (Continued)

1000175466

Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Financial Requirements
Date violation determined: 06/16/1984
Date achieved compliance: 08/28/1984
Violation lead agency: EPA
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 04/10/1984
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Financial Requirements
Date violation determined: 06/16/1984
Date achieved compliance: 08/28/1984
Violation lead agency: EPA
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 05/29/1987
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: 9500
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Financial Requirements
Date violation determined: 06/16/1984
Date achieved compliance: 08/28/1984
Violation lead agency: EPA
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 07/16/1984
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Financial Requirements
Date violation determined: 06/16/1984
Date achieved compliance: 08/28/1984
Violation lead agency: EPA
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 09/17/1987
Enf. disposition status: Not reported
Enf. disp. status date: Not reported

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EPA ID Number

SALCO INDUSTRIAL SERVICE (Continued)

1000175466

Enforcement lead agency: EPA
Proposed penalty amount: 7500
Final penalty amount: 7500
Paid penalty amount: 7500

Regulation violated: Not reported
Area of violation: TSD - Financial Requirements
Date violation determined: 06/16/1984
Date achieved compliance: 08/28/1984
Violation lead agency: EPA
Enforcement action: RCRA TO CERCLA ADMINISTRATIVE REFERRAL
Enforcement action date: 10/06/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD IS-Ground-Water Monitoring
Date violation determined: 03/22/1984
Date achieved compliance: 06/28/1984
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 03/22/1984
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 12/18/2001
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: State Statute or Regulation
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 01/10/1992
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 03/25/1993
Evaluation lead agency: State

Evaluation date: 01/10/1992
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Closure/Post-Closure
Date achieved compliance: 03/25/1993
Evaluation lead agency: State

Evaluation date: 01/10/1992
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: TSD - Financial Requirements
Date achieved compliance: 03/25/1993
Evaluation lead agency: State

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Database(s)

EDR ID Number
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SALCO INDUSTRIAL SERVICE (Continued)

1000175466

Evaluation date: 09/16/1991
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: TSD - Financial Requirements
Date achieved compliance: 03/25/1993
Evaluation lead agency: State

Evaluation date: 12/18/1990
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Closure/Post-Closure
Date achieved compliance: 03/25/1993
Evaluation lead agency: State

Evaluation date: 12/18/1990
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 03/25/1993
Evaluation lead agency: State

Evaluation date: 06/28/1990
Evaluation: COMPLIANCE SCHEDULE EVALUATION
Area of violation: TSD - General
Date achieved compliance: 03/25/1993
Evaluation lead agency: State

Evaluation date: 04/24/1990
Evaluation: COMPLIANCE SCHEDULE EVALUATION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 03/29/1990
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Transporters - General
Date achieved compliance: 10/09/1990
Evaluation lead agency: State

Evaluation date: 01/31/1990
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: TSD - Financial Requirements
Date achieved compliance: 03/25/1993
Evaluation lead agency: State

Evaluation date: 01/23/1990
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Closure/Post-Closure
Date achieved compliance: 03/25/1993
Evaluation lead agency: State

Evaluation date: 10/31/1989
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 03/24/1989
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported

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SALCO INDUSTRIAL SERVICE (Continued)

1000175466

Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 03/17/1989
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: TSD - Financial Requirements
Date achieved compliance: 03/25/1993
Evaluation lead agency: State

Evaluation date: 03/03/1989
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 01/23/1990
Evaluation lead agency: State

Evaluation date: 03/03/1989
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Closure/Post-Closure
Date achieved compliance: 01/23/1990
Evaluation lead agency: State

Evaluation date: 12/01/1988
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 06/23/1988
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 04/06/1988
Evaluation: FOCUSED COMPLIANCE INSPECTION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 12/02/1987
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 03/11/1987
Evaluation: GROUNDWATER MONITORING EVALUATION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 03/04/1987
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Transporters - General
Date achieved compliance: 03/03/1989
Evaluation lead agency: State

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SALCO INDUSTRIAL SERVICE (Continued)

1000175466

Evaluation date: 06/24/1986
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 03/25/1986
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA Contractor/Grantee

Evaluation date: 09/16/1985
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 09/05/1985
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: TSD IS-Ground-Water Monitoring
Date achieved compliance: 08/11/1986
Evaluation lead agency: EPA

Evaluation date: 07/30/1985
Evaluation: FOCUSED COMPLIANCE INSPECTION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 05/16/1985
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Transporters - General
Date achieved compliance: 10/21/1986
Evaluation lead agency: State

Evaluation date: 02/28/1985
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: TSD IS-Ground-Water Monitoring
Date achieved compliance: 08/11/1986
Evaluation lead agency: EPA

Evaluation date: 12/03/1984
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 12/03/1984
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA

Evaluation date: 10/16/1984
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported

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SALCO INDUSTRIAL SERVICE (Continued)

1000175466

Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 09/25/1984
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 09/14/1984
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 07/16/1984
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: TSD - Financial Requirements
Date achieved compliance: 11/01/1984
Evaluation lead agency: State

Evaluation date: 06/16/1984
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: TSD - Financial Requirements
Date achieved compliance: 08/28/1984
Evaluation lead agency: EPA

Evaluation date: 03/22/1984
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: TSD IS-Ground-Water Monitoring
Date achieved compliance: 06/28/1984
Evaluation lead agency: State

FINDS:

Registry ID: 110003576531

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

ICIS (Integrated Compliance Information System) is the Integrated Compliance Information System and provides a database that, when complete, will contain integrated Enforcement and Compliance information across most of EPA's programs. The vision for ICIS is to replace EPA's independent databases that contain Enforcement data with a single repository for that information. Currently, ICIS contains all Federal Administrative and Judicial enforcement actions. This information is maintained in ICIS by EPA in the Regional offices and it Headquarters. A future release of ICIS will replace the Permit Compliance System (PCS) which supports the NPDES and will integrate that information with Federal actions already in the system. ICIS also has the capability to track other activities occurring in the Region that support Compliance and Enforcement programs. These include;

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SALCO INDUSTRIAL SERVICE (Continued)

1000175466

Incident Tracking, Compliance Assistance, and Compliance Monitoring.

| City | EDR ID | Site Name | Site Address | Zip | Database(s) |
|---------------------|------------|--|-------------------------------------|-------|--------------------|
| FRENCHTOWN TOWNSHIP | 1007990149 | MI DEPT/TRANSPORTATION | I 75 UNDER POST RD | 48161 | RCRA-NonGen |
| FRENCHTOWN TOWNSHIP | 1001117744 | MI DEPT/TRANSPORTATION | I 75 OVER STONEY CREEK RD | 48161 | RCRA-NonGen, FINDS |
| FRENCHTOWN TOWNSHIP | 1007990032 | MI DEPT/TRANSPORTATION | I 75 OVER SANDY CREEK RD | 48161 | RCRA-NonGen |
| FRENCHTOWN TOWNSHIP | 1007989846 | MI DEPT/TRANSPORTATION | I 75 OVER SANDY CREEK RD | 48161 | RCRA-NonGen |
| LUNA PIER | 1007102377 | MID STATES EXPRESS | I 75 & I 280 SPLIT AT BORDER | 48161 | RCRA-NonGen |
| MONROE | 1000465331 | MI DEPT/TRANSPORTATION BRIDGE | US 24 OVER ANN ARBOR RAIL RD | 48161 | RCRA-NonGen, FINDS |
| MONROE | 1007119059 | MI DEPT/TRANSPORTATION | I 75 UNDER I 75 RAMP B | 48161 | RCRA-NonGen |
| MONROE | 1007880519 | MI DEPT/TRANSPORTATION | I 75 UNDER DUNBAR RD | 48161 | RCRA-NonGen |
| MONROE | 1001124059 | MI DEPT/TRANSPORTATION | I 75 OVER RAILROAD | 48161 | RCRA-NonGen, FINDS |
| MONROE | 1012180709 | MI DEPT/TRANSPORTATION | I 75 OVER PAPER CO WATER MAIN | 48161 | RCRA-CESQG |
| MONROE | 1001112666 | MI DEPT/TRANSPORTATION | I 75 OVER GTWRR BRIDGE | 48161 | RCRA-NonGen, FINDS |
| MONROE | 1007119063 | MI DEPT/TRANSPORTATION | I 75 (NB EXIT RMP OVER LAPLAIS | 48161 | RCRA-CESQG |
| MONROE | 1000465129 | MI DEPT/TRANSPORTATION | ANN ARBOR RD OVER MACON RIVER | 48161 | RCRA-NonGen, FINDS |
| MONROE | 1006932009 | MONROE PAPER MERCURY SPILL | N. DIXIE HIGHWAY AND E. ELM STREET | 48161 | CERC-NFRAP |
| MONROE | 1004722955 | WAYNES BODY SHOP | 15205 S DIXIE HWY | 48161 | RCRA-CESQG, FINDS |
| MONROE | S110532115 | KNAB'S SERVICE | 12966 S DIXIE HIGHWAY | | BROWNFIELDS |
| MONROE | S100069931 | RURAL REFUSE INC SITE #1 | DUNBAR AT I-75 | 48161 | HIST LF |
| MONROE | S100069935 | CITY OF MONROE SLF | ELM STREET | 48161 | HIST LF |
| MONROE | 1004723714 | CITY OF MONROE | ELM AVE BRIDGE OVER MASON RUN | 48161 | RCRA-CESQG, FINDS |
| MONROE | 1003871272 | MONROE WKS | ELM AVE | 48161 | CERC-NFRAP |
| MONROE | U003758624 | FORMER BP SITE #04328 | 204 E ELM ST | 44114 | UST |
| MONROE | 1003871225 | MONROE CITY LDFL | FRONT STREET BTWN PORT & MCMILLIAN | 48161 | CERC-NFRAP |
| MONROE | S103595035 | MONROE LF CITY OF | FRONT ST BTWN PORT & MCMILLIAN | 48161 | SHWS |
| MONROE | S108632582 | DETROIT EDISON MONROE POWER PLANT | FRONT ST (AND RIVER MOUTH) | 48161 | SHWS |
| MONROE | 1003871732 | DETROIT EDISON DREDGE | FRONT ST | 48161 | CERC-NFRAP |
| MONROE | 1012172756 | MONROE EAST FRONT STREET VACANT PARCEL | EAST FRONT STREET | 48161 | US BROWNFIELDS |
| MONROE | S109952119 | WYANDOTTE ELECTRIC PLANT & WFP | 3500 EAST FRONT STREET | 48161 | COAL ASH |
| MONROE | S103595037 | RAISIN R CITY OF MONROE TO MOUTH | MONROE HARBOR | 48161 | SHWS |
| MONROE | S110532189 | RAISIN R, CITY OF MONROE TO MOUTH OF | MONROE HARBOR | | BROWNFIELDS |
| MONROE | U000260692 | MARATHON UNIT #2068 | 1559 NADEAU RD & I-75 | 45840 | LUST, UST |
| MONROE | 1011489479 | NORFOLK SOUTHERN | 997 E NOBLE AVE | 48161 | RCRA-NonGen |
| MONROE | 1012180550 | MI DEPT/TRANSPORTATION | I-75 NORTH & SOUTH BOUND OVER | 48161 | RCRA-CESQG |
| MONROE | S109029713 | CLARK STATION LOTS ADJ TO | N OF 643 TELEGRAPH | 48161 | SHWS |
| MONROE | 1003871330 | PORT OF MONROE LDFL | PLUM CREEK BTWN I-75 & FRONT | 48161 | CERC-NFRAP |
| MONROE | S103086383 | PORT OF MONROE LF | PLUM CREEK BTWN I-75 & 3101 E FRONT | 48161 | SHWS |
| MONROE | 1007097275 | RII STATE TRUCKING | NB REST AREA ON I 75 | 48161 | RCRA-NonGen |
| MONROE | S105144460 | GOULD NATIONAL BATTERY INC | 1655 WEST SEVENTH STREET | 0NULL | SHWS |
| MONROE | S108632585 | DAMICO/RIVERBEND PROJECT SITE #8 | TELEGRTAPH RD & WEST FRONT STREET | | SHWS |

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

| | |
|---|--|
| Date of Government Version: 12/31/2010 | Source: EPA |
| Date Data Arrived at EDR: 01/13/2011 | Telephone: N/A |
| Date Made Active in Reports: 01/28/2011 | Last EDR Contact: 04/13/2011 |
| Number of Days to Update: 15 | Next Scheduled EDR Contact: 07/25/2011 |
| | Data Release Frequency: Quarterly |

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

| | |
|---|--|
| Date of Government Version: 12/31/2010 | Source: EPA |
| Date Data Arrived at EDR: 01/13/2011 | Telephone: N/A |
| Date Made Active in Reports: 01/28/2011 | Last EDR Contact: 04/13/2011 |
| Number of Days to Update: 15 | Next Scheduled EDR Contact: 07/25/2011 |
| | Data Release Frequency: Quarterly |

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

| | |
|---|---|
| Date of Government Version: 10/15/1991 | Source: EPA |
| Date Data Arrived at EDR: 02/02/1994 | Telephone: 202-564-4267 |
| Date Made Active in Reports: 03/30/1994 | Last EDR Contact: 05/16/2011 |
| Number of Days to Update: 56 | Next Scheduled EDR Contact: 08/29/2011 |
| | Data Release Frequency: No Update Planned |

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Federal Delisted NPL site list

DELISTED NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425(e), sites may be deleted from the NPL where no further response is appropriate.

| | |
|---|--|
| Date of Government Version: 12/31/2010 | Source: EPA |
| Date Data Arrived at EDR: 01/13/2011 | Telephone: N/A |
| Date Made Active in Reports: 01/28/2011 | Last EDR Contact: 04/13/2011 |
| Number of Days to Update: 15 | Next Scheduled EDR Contact: 07/25/2011 |
| | Data Release Frequency: Quarterly |

Federal CERCLIS list

CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System

CERCLIS contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

| | |
|---|--|
| Date of Government Version: 02/25/2011 | Source: EPA |
| Date Data Arrived at EDR: 03/01/2011 | Telephone: 703-412-9810 |
| Date Made Active in Reports: 05/02/2011 | Last EDR Contact: 04/29/2011 |
| Number of Days to Update: 62 | Next Scheduled EDR Contact: 06/13/2011 |
| | Data Release Frequency: Quarterly |

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA's Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

| | |
|---|---|
| Date of Government Version: 12/10/2010 | Source: Environmental Protection Agency |
| Date Data Arrived at EDR: 01/11/2011 | Telephone: 703-603-8704 |
| Date Made Active in Reports: 02/16/2011 | Last EDR Contact: 04/15/2011 |
| Number of Days to Update: 36 | Next Scheduled EDR Contact: 07/25/2011 |
| | Data Release Frequency: Varies |

Federal CERCLIS NFRAP site List

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned

Archived sites are sites that have been removed and archived from the inventory of CERCLIS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

| | |
|---|--|
| Date of Government Version: 02/25/2011 | Source: EPA |
| Date Data Arrived at EDR: 03/01/2011 | Telephone: 703-412-9810 |
| Date Made Active in Reports: 05/02/2011 | Last EDR Contact: 04/29/2011 |
| Number of Days to Update: 62 | Next Scheduled EDR Contact: 06/13/2011 |
| | Data Release Frequency: Quarterly |

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 05/25/2010
Date Data Arrived at EDR: 06/02/2010
Date Made Active in Reports: 10/04/2010
Number of Days to Update: 124

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 05/16/2011
Next Scheduled EDR Contact: 08/29/2011
Data Release Frequency: Quarterly

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 03/11/2011
Date Data Arrived at EDR: 04/05/2011
Date Made Active in Reports: 05/02/2011
Number of Days to Update: 27

Source: Environmental Protection Agency
Telephone: 312-886-6186
Last EDR Contact: 04/05/2011
Next Scheduled EDR Contact: 07/18/2011
Data Release Frequency: Quarterly

Federal RCRA generators list

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 03/11/2011
Date Data Arrived at EDR: 04/05/2011
Date Made Active in Reports: 05/02/2011
Number of Days to Update: 27

Source: Environmental Protection Agency
Telephone: 312-886-6186
Last EDR Contact: 04/05/2011
Next Scheduled EDR Contact: 07/18/2011
Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 03/11/2011
Date Data Arrived at EDR: 04/05/2011
Date Made Active in Reports: 05/02/2011
Number of Days to Update: 27

Source: Environmental Protection Agency
Telephone: 312-886-6186
Last EDR Contact: 04/05/2011
Next Scheduled EDR Contact: 07/18/2011
Data Release Frequency: Quarterly

RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 03/11/2011
Date Data Arrived at EDR: 04/05/2011
Date Made Active in Reports: 05/02/2011
Number of Days to Update: 27

Source: Environmental Protection Agency
Telephone: 312-886-6186
Last EDR Contact: 04/05/2011
Next Scheduled EDR Contact: 07/18/2011
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Federal institutional controls / engineering controls registries

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

| | |
|---|---|
| Date of Government Version: 01/05/2011 | Source: Environmental Protection Agency |
| Date Data Arrived at EDR: 01/14/2011 | Telephone: 703-603-0695 |
| Date Made Active in Reports: 01/28/2011 | Last EDR Contact: 03/14/2011 |
| Number of Days to Update: 14 | Next Scheduled EDR Contact: 06/27/2011 |
| | Data Release Frequency: Varies |

US INST CONTROL: Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

| | |
|---|---|
| Date of Government Version: 01/05/2011 | Source: Environmental Protection Agency |
| Date Data Arrived at EDR: 01/14/2011 | Telephone: 703-603-0695 |
| Date Made Active in Reports: 01/28/2011 | Last EDR Contact: 03/14/2011 |
| Number of Days to Update: 14 | Next Scheduled EDR Contact: 06/27/2011 |
| | Data Release Frequency: Varies |

Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

| | |
|---|---|
| Date of Government Version: 12/31/2010 | Source: National Response Center, United States Coast Guard |
| Date Data Arrived at EDR: 01/07/2011 | Telephone: 202-267-2180 |
| Date Made Active in Reports: 03/21/2011 | Last EDR Contact: 04/05/2011 |
| Number of Days to Update: 73 | Next Scheduled EDR Contact: 07/18/2011 |
| | Data Release Frequency: Annually |

State- and tribal - equivalent CERCLIS

SHWS: Contaminated Sites

State Hazardous Waste Sites. State hazardous waste site records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. Available information varies by state.

| | |
|---|---|
| Date of Government Version: 05/02/2011 | Source: Department of Natural Resources & Environment |
| Date Data Arrived at EDR: 05/04/2011 | Telephone: 517-373-9541 |
| Date Made Active in Reports: 05/25/2011 | Last EDR Contact: 05/04/2011 |
| Number of Days to Update: 21 | Next Scheduled EDR Contact: 08/15/2011 |
| | Data Release Frequency: Semi-Annually |

State and tribal landfill and/or solid waste disposal site lists

SWF/LF: Solid Waste Facilities Database

Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 01/05/2011
Date Data Arrived at EDR: 01/07/2011
Date Made Active in Reports: 02/14/2011
Number of Days to Update: 38

Source: Department of Natural Resources & Environment
Telephone: 517-335-4035
Last EDR Contact: 04/04/2011
Next Scheduled EDR Contact: 07/18/2011
Data Release Frequency: Semi-Annually

State and tribal leaking storage tank lists

LUST: Leaking Underground Storage Tank Sites

Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state.

Date of Government Version: 02/22/2011
Date Data Arrived at EDR: 02/23/2011
Date Made Active in Reports: 03/18/2011
Number of Days to Update: 23

Source: Department of Natural Resources & Environment
Telephone: 517-373-9837
Last EDR Contact: 05/24/2011
Next Scheduled EDR Contact: 09/05/2011
Data Release Frequency: Annually

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 11/04/2009
Date Data Arrived at EDR: 05/04/2010
Date Made Active in Reports: 07/07/2010
Number of Days to Update: 64

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 05/04/2010
Next Scheduled EDR Contact: 05/16/2011
Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 02/03/2011
Date Data Arrived at EDR: 02/04/2011
Date Made Active in Reports: 03/21/2011
Number of Days to Update: 45

Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 05/02/2011
Next Scheduled EDR Contact: 08/15/2011
Data Release Frequency: Varies

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land

A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 09/01/2010
Date Data Arrived at EDR: 11/05/2010
Date Made Active in Reports: 01/28/2011
Number of Days to Update: 84

Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 05/03/2011
Next Scheduled EDR Contact: 08/15/2011
Data Release Frequency: Varies

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 02/03/2011
Date Data Arrived at EDR: 02/04/2011
Date Made Active in Reports: 03/21/2011
Number of Days to Update: 45

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 05/02/2011
Next Scheduled EDR Contact: 08/15/2011
Data Release Frequency: Quarterly

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 01/31/2011
Date Data Arrived at EDR: 02/01/2011
Date Made Active in Reports: 03/21/2011
Number of Days to Update: 48

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 05/02/2011
Next Scheduled EDR Contact: 08/15/2011
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Florida, Mississippi and North Carolina.

| | |
|---|--|
| Date of Government Version: 03/03/2011 | Source: EPA Region 4 |
| Date Data Arrived at EDR: 03/18/2011 | Telephone: 404-562-8677 |
| Date Made Active in Reports: 05/02/2011 | Last EDR Contact: 05/02/2011 |
| Number of Days to Update: 45 | Next Scheduled EDR Contact: 08/15/2011 |
| | Data Release Frequency: Semi-Annually |

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

| | |
|---|--|
| Date of Government Version: 02/04/2011 | Source: EPA Region 8 |
| Date Data Arrived at EDR: 02/04/2011 | Telephone: 303-312-6271 |
| Date Made Active in Reports: 03/21/2011 | Last EDR Contact: 05/02/2011 |
| Number of Days to Update: 45 | Next Scheduled EDR Contact: 08/15/2011 |
| | Data Release Frequency: Quarterly |

State and tribal registered storage tank lists

UST: Underground Storage Tank Facility List
Registered Underground Storage Tanks. UST's are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA) and must be registered with the state department responsible for administering the UST program. Available information varies by state program.

| | |
|---|---|
| Date of Government Version: 02/22/2011 | Source: Department of Natural Resources & Environment |
| Date Data Arrived at EDR: 02/23/2011 | Telephone: 517-335-4035 |
| Date Made Active in Reports: 03/22/2011 | Last EDR Contact: 05/24/2011 |
| Number of Days to Update: 27 | Next Scheduled EDR Contact: 09/05/2011 |
| | Data Release Frequency: Annually |

AST: Aboveground Tanks
Registered Aboveground Storage Tanks.

| | |
|---|---|
| Date of Government Version: 03/21/2011 | Source: Department of Natural Resources & Environment |
| Date Data Arrived at EDR: 03/31/2011 | Telephone: 517-373-8168 |
| Date Made Active in Reports: 05/11/2011 | Last EDR Contact: 05/23/2011 |
| Number of Days to Update: 41 | Next Scheduled EDR Contact: 09/05/2011 |
| | Data Release Frequency: No Update Planned |

INDIAN UST R6: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

| | |
|---|--|
| Date of Government Version: 02/03/2011 | Source: EPA Region 6 |
| Date Data Arrived at EDR: 02/04/2011 | Telephone: 214-665-7591 |
| Date Made Active in Reports: 03/21/2011 | Last EDR Contact: 05/02/2011 |
| Number of Days to Update: 45 | Next Scheduled EDR Contact: 08/15/2011 |
| | Data Release Frequency: Semi-Annually |

INDIAN UST R5: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

| | |
|---|--|
| Date of Government Version: 01/01/2011 | Source: EPA Region 5 |
| Date Data Arrived at EDR: 02/23/2011 | Telephone: 312-886-6136 |
| Date Made Active in Reports: 05/02/2011 | Last EDR Contact: 05/02/2011 |
| Number of Days to Update: 68 | Next Scheduled EDR Contact: 08/15/2011 |
| | Data Release Frequency: Varies |

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

| | |
|---|--|
| Date of Government Version: 03/03/2011 | Source: EPA Region 4 |
| Date Data Arrived at EDR: 03/18/2011 | Telephone: 404-562-9424 |
| Date Made Active in Reports: 05/02/2011 | Last EDR Contact: 05/02/2011 |
| Number of Days to Update: 45 | Next Scheduled EDR Contact: 08/15/2011 |
| | Data Release Frequency: Semi-Annually |

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

| | |
|---|--|
| Date of Government Version: 01/31/2011 | Source: EPA Region 9 |
| Date Data Arrived at EDR: 02/01/2011 | Telephone: 415-972-3368 |
| Date Made Active in Reports: 03/21/2011 | Last EDR Contact: 05/02/2011 |
| Number of Days to Update: 48 | Next Scheduled EDR Contact: 08/15/2011 |
| | Data Release Frequency: Quarterly |

INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

| | |
|---|--|
| Date of Government Version: 02/04/2011 | Source: EPA Region 8 |
| Date Data Arrived at EDR: 02/04/2011 | Telephone: 303-312-6137 |
| Date Made Active in Reports: 03/21/2011 | Last EDR Contact: 05/02/2011 |
| Number of Days to Update: 45 | Next Scheduled EDR Contact: 08/15/2011 |
| | Data Release Frequency: Quarterly |

INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

| | |
|---|--|
| Date of Government Version: 11/01/2010 | Source: EPA Region 7 |
| Date Data Arrived at EDR: 12/02/2010 | Telephone: 913-551-7003 |
| Date Made Active in Reports: 01/28/2011 | Last EDR Contact: 02/03/2011 |
| Number of Days to Update: 57 | Next Scheduled EDR Contact: 05/16/2011 |
| | Data Release Frequency: Varies |

INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

| | |
|---|--|
| Date of Government Version: 02/03/2011 | Source: EPA Region 10 |
| Date Data Arrived at EDR: 02/04/2011 | Telephone: 206-553-2857 |
| Date Made Active in Reports: 03/21/2011 | Last EDR Contact: 05/02/2011 |
| Number of Days to Update: 45 | Next Scheduled EDR Contact: 08/15/2011 |
| | Data Release Frequency: Quarterly |

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

| | |
|---|--|
| Date of Government Version: 09/01/2010 | Source: EPA, Region 1 |
| Date Data Arrived at EDR: 11/05/2010 | Telephone: 617-918-1313 |
| Date Made Active in Reports: 01/28/2011 | Last EDR Contact: 05/03/2011 |
| Number of Days to Update: 84 | Next Scheduled EDR Contact: 08/15/2011 |
| | Data Release Frequency: Varies |

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

| | |
|---|--|
| Date of Government Version: 01/01/2010 | Source: FEMA |
| Date Data Arrived at EDR: 02/16/2010 | Telephone: 202-646-5797 |
| Date Made Active in Reports: 04/12/2010 | Last EDR Contact: 04/18/2011 |
| Number of Days to Update: 55 | Next Scheduled EDR Contact: 08/01/2011 |
| | Data Release Frequency: Varies |

State and tribal institutional control / engineering control registries

AUL: Engineering and Institutional Controls

A listing of sites with institutional and/or engineering controls in place.

| | |
|---|---|
| Date of Government Version: 03/18/2011 | Source: Department of Natural Resources & Environment |
| Date Data Arrived at EDR: 03/18/2011 | Telephone: 517-373-4828 |
| Date Made Active in Reports: 03/31/2011 | Last EDR Contact: 03/07/2011 |
| Number of Days to Update: 13 | Next Scheduled EDR Contact: 06/20/2011 |
| | Data Release Frequency: Varies |

State and tribal voluntary cleanup sites

INDIAN VCP R7: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

| | |
|---|--|
| Date of Government Version: 03/20/2008 | Source: EPA, Region 7 |
| Date Data Arrived at EDR: 04/22/2008 | Telephone: 913-551-7365 |
| Date Made Active in Reports: 05/19/2008 | Last EDR Contact: 04/20/2009 |
| Number of Days to Update: 27 | Next Scheduled EDR Contact: 07/20/2009 |
| | Data Release Frequency: Varies |

INDIAN VCP R1: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

| | |
|---|--|
| Date of Government Version: 09/01/2010 | Source: EPA, Region 1 |
| Date Data Arrived at EDR: 01/05/2011 | Telephone: 617-918-1102 |
| Date Made Active in Reports: 03/21/2011 | Last EDR Contact: 04/05/2011 |
| Number of Days to Update: 75 | Next Scheduled EDR Contact: 07/18/2011 |
| | Data Release Frequency: Varies |

State and tribal Brownfields sites

BROWNFIELDS: Brownfields and USTfield Site Database

All state funded Part 201 and 213 sites, as well as LUST sites that have been redeveloped by private entities using the BEA process. Be aware that this is not a list of all of the potential brownfield sites in Michigan.

| | |
|---|---|
| Date of Government Version: 05/05/2011 | Source: Department of Natural Resources & Environment |
| Date Data Arrived at EDR: 05/05/2011 | Telephone: 517-373-4805 |
| Date Made Active in Reports: 05/25/2011 | Last EDR Contact: 05/02/2011 |
| Number of Days to Update: 20 | Next Scheduled EDR Contact: 08/15/2011 |
| | Data Release Frequency: Varies |

BROWNFIELDS 2: Brownfields Building and Land Site Locations

A listing of brownfield building and land site locations. The listing is a collaborative effort of Michigan Economic Development Corporation, Michigan Economic Developers Association, Detroit Edison, Detroit Area Commercial Board of Realtors

| | |
|---|--|
| Date of Government Version: 04/09/2007 | Source: Economic Development Corporation |
| Date Data Arrived at EDR: 04/10/2007 | Telephone: 888-522-0103 |
| Date Made Active in Reports: 05/01/2007 | Last EDR Contact: 03/07/2011 |
| Number of Days to Update: 21 | Next Scheduled EDR Contact: 06/20/2011 |
| | Data Release Frequency: Varies |

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites

Included in the listing are brownfields properties addresses by Cooperative Agreement Recipients and brownfields properties addressed by Targeted Brownfields Assessments. Targeted Brownfields Assessments-EPA's Targeted Brownfields Assessments (TBA) program is designed to help states, tribes, and municipalities--especially those without EPA Brownfields Assessment Demonstration Pilots--minimize the uncertainties of contamination often associated with brownfields. Under the TBA program, EPA provides funding and/or technical assistance for environmental assessments at brownfields sites throughout the country. Targeted Brownfields Assessments supplement and work with other efforts under EPA's Brownfields Initiative to promote cleanup and redevelopment of brownfields. Cooperative Agreement Recipients-States, political subdivisions, territories, and Indian tribes become Brownfields Cleanup Revolving Loan Fund (BCRLF) cooperative agreement recipients when they enter into BCRLF cooperative agreements with the U.S. EPA. EPA selects BCRLF cooperative agreement recipients based on a proposal and application process. BCRLF cooperative agreement recipients must use EPA funds provided through BCRLF cooperative agreement for specified brownfields-related cleanup activities.

Date of Government Version: 12/29/2010
Date Data Arrived at EDR: 12/30/2010
Date Made Active in Reports: 03/21/2011
Number of Days to Update: 81

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 03/29/2011
Next Scheduled EDR Contact: 07/11/2011
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 03/28/2011
Next Scheduled EDR Contact: 07/11/2011
Data Release Frequency: No Update Planned

ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

SWRCY: Recycling Facilities

A listing of recycling center locations.

Date of Government Version: 11/24/2009
Date Data Arrived at EDR: 09/30/2010
Date Made Active in Reports: 10/28/2010
Number of Days to Update: 28

Source: Department of Natural Resources & Environment
Telephone: 517-241-5719
Last EDR Contact: 04/07/2011
Next Scheduled EDR Contact: 07/18/2011
Data Release Frequency: Varies

HIST LF: Inactive Solid Waste Facilities

The database contains historical information and is no longer updated.

Date of Government Version: 03/01/1997
Date Data Arrived at EDR: 02/28/2003
Date Made Active in Reports: 03/06/2003
Number of Days to Update: 6

Source: Department of Natural Resources & Environment
Telephone: 517-335-4034
Last EDR Contact: 02/28/2003
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands
Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 05/09/2011
Next Scheduled EDR Contact: 08/22/2011
Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 02/02/2011
Date Data Arrived at EDR: 03/17/2011
Date Made Active in Reports: 05/02/2011
Number of Days to Update: 46

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 03/08/2011
Next Scheduled EDR Contact: 06/20/2011
Data Release Frequency: Quarterly

DEL SHWS: Delisted List of Contaminated Sites

Sites that have been delisted or deleted from the List of Contaminated Sites. The available documentation for the site does not support its listing or the site no longer meets criteria specified in rules.

Date of Government Version: 05/05/2011
Date Data Arrived at EDR: 05/05/2011
Date Made Active in Reports: 05/25/2011
Number of Days to Update: 20

Source: Department of Natural Resources & Environment
Telephone: 517-373-9541
Last EDR Contact: 05/02/2011
Next Scheduled EDR Contact: 08/15/2011
Data Release Frequency: Varies

CDL: Clandestine Drug Lab Listing

A listing of clandestine drug lab locations.

Date of Government Version: 10/20/2008
Date Data Arrived at EDR: 11/18/2008
Date Made Active in Reports: 11/21/2008
Number of Days to Update: 3

Source: Department of Community Health
Telephone: 517-373-3740
Last EDR Contact: 05/03/2011
Next Scheduled EDR Contact: 08/15/2011
Data Release Frequency: Varies

US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 09/01/2007
Date Data Arrived at EDR: 11/19/2008
Date Made Active in Reports: 03/30/2009
Number of Days to Update: 131

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 03/23/2009
Next Scheduled EDR Contact: 06/22/2009
Data Release Frequency: No Update Planned

Local Land Records

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

LIENS 2: CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

| | |
|---|---|
| Date of Government Version: 02/01/2011 | Source: Environmental Protection Agency |
| Date Data Arrived at EDR: 02/04/2011 | Telephone: 202-564-6023 |
| Date Made Active in Reports: 05/02/2011 | Last EDR Contact: 05/02/2011 |
| Number of Days to Update: 87 | Next Scheduled EDR Contact: 08/15/2011 |
| | Data Release Frequency: Varies |

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

| | |
|---|--|
| Date of Government Version: 12/09/2005 | Source: Department of the Navy |
| Date Data Arrived at EDR: 12/11/2006 | Telephone: 843-820-7326 |
| Date Made Active in Reports: 01/11/2007 | Last EDR Contact: 05/23/2011 |
| Number of Days to Update: 31 | Next Scheduled EDR Contact: 09/05/2011 |
| | Data Release Frequency: Varies |

LIENS: Lien List

An Environmental Lien is a charge, security, or encumbrance upon title to a property to secure the payment of a cost, damage, debt, obligation, or duty arising out of response actions, cleanup, or other remediation of hazardous substances or petroleum products upon a property, including (but not limited to) liens imposed pursuant to CERCLA 42 USC * 9607(1) and similar state or local laws. In other words: a lien placed upon a property's title due to an environmental condition

| | |
|---|---|
| Date of Government Version: 03/15/2011 | Source: Department of Natural Resources & Environment |
| Date Data Arrived at EDR: 04/28/2011 | Telephone: 517-373-9837 |
| Date Made Active in Reports: 05/13/2011 | Last EDR Contact: 04/26/2011 |
| Number of Days to Update: 15 | Next Scheduled EDR Contact: 08/08/2011 |
| | Data Release Frequency: Varies |

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

| | |
|---|---|
| Date of Government Version: 12/31/2010 | Source: U.S. Department of Transportation |
| Date Data Arrived at EDR: 01/05/2011 | Telephone: 202-366-4555 |
| Date Made Active in Reports: 02/25/2011 | Last EDR Contact: 04/05/2011 |
| Number of Days to Update: 51 | Next Scheduled EDR Contact: 07/18/2011 |
| | Data Release Frequency: Annually |

PEAS: Pollution Emergency Alerting System

Environmental pollution emergencies reported to the Department of Environmental Quality such as tanker accidents, pipeline breaks, and release of reportable quantities of hazardous substances.

| | |
|---|---|
| Date of Government Version: 10/21/2010 | Source: Department of Natural Resources & Environment |
| Date Data Arrived at EDR: 10/22/2010 | Telephone: 517-373-8427 |
| Date Made Active in Reports: 10/28/2010 | Last EDR Contact: 03/14/2011 |
| Number of Days to Update: 6 | Next Scheduled EDR Contact: 06/27/2011 |
| | Data Release Frequency: Quarterly |

Other Ascertainable Records

RCRA-NonGen: RCRA - Non Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 03/11/2011
Date Data Arrived at EDR: 04/05/2011
Date Made Active in Reports: 05/02/2011
Number of Days to Update: 27

Source: Environmental Protection Agency
Telephone: 312-886-6186
Last EDR Contact: 04/05/2011
Next Scheduled EDR Contact: 07/18/2011
Data Release Frequency: Varies

DOT OPS: Incident and Accident Data

Department of Transportation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 01/12/2011
Date Data Arrived at EDR: 02/11/2011
Date Made Active in Reports: 05/02/2011
Number of Days to Update: 80

Source: Department of Transportation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 05/11/2011
Next Scheduled EDR Contact: 08/22/2011
Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 11/10/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 62

Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 04/21/2011
Next Scheduled EDR Contact: 08/01/2011
Data Release Frequency: Semi-Annually

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 08/12/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 112

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 03/15/2011
Next Scheduled EDR Contact: 06/27/2011
Data Release Frequency: Varies

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 10/01/2010
Date Data Arrived at EDR: 10/29/2010
Date Made Active in Reports: 01/28/2011
Number of Days to Update: 91

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 04/04/2011
Next Scheduled EDR Contact: 07/18/2011
Data Release Frequency: Varies

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 02/25/2011
Date Data Arrived at EDR: 03/16/2011
Date Made Active in Reports: 03/21/2011
Number of Days to Update: 5

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 03/16/2011
Next Scheduled EDR Contact: 06/27/2011
Data Release Frequency: Annually

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 09/14/2010
Date Data Arrived at EDR: 10/21/2010
Date Made Active in Reports: 01/28/2011
Number of Days to Update: 99

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 03/04/2011
Next Scheduled EDR Contact: 06/13/2011
Data Release Frequency: Varies

MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 02/08/2011
Date Data Arrived at EDR: 03/09/2011
Date Made Active in Reports: 05/02/2011
Number of Days to Update: 54

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 03/09/2011
Next Scheduled EDR Contact: 06/20/2011
Data Release Frequency: Semi-Annually

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 12/17/2010
Date Made Active in Reports: 03/21/2011
Number of Days to Update: 94

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 05/27/2011
Next Scheduled EDR Contact: 09/12/2011
Data Release Frequency: Annually

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2006
Date Data Arrived at EDR: 09/29/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 64

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 03/29/2011
Next Scheduled EDR Contact: 07/11/2011
Data Release Frequency: Every 4 Years

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 05/27/2011
Next Scheduled EDR Contact: 09/12/2011
Data Release Frequency: Quarterly

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 05/27/2011
Next Scheduled EDR Contact: 09/12/2011
Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing

A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 12/10/2010
Date Made Active in Reports: 02/25/2011
Number of Days to Update: 77

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 05/02/2011
Next Scheduled EDR Contact: 08/15/2011
Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 01/07/2011
Date Data Arrived at EDR: 01/21/2011
Date Made Active in Reports: 03/21/2011
Number of Days to Update: 59

Source: Environmental Protection Agency
Telephone: 202-564-5088
Last EDR Contact: 03/28/2011
Next Scheduled EDR Contact: 07/11/2011
Data Release Frequency: Quarterly

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 11/01/2010
Date Data Arrived at EDR: 11/10/2010
Date Made Active in Reports: 02/16/2011
Number of Days to Update: 98

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 04/22/2011
Next Scheduled EDR Contact: 08/01/2011
Data Release Frequency: Annually

MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 03/18/2010
Date Data Arrived at EDR: 04/06/2010
Date Made Active in Reports: 05/27/2010
Number of Days to Update: 51

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 03/14/2011
Next Scheduled EDR Contact: 06/27/2011
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

RADINFO: Radiation Information Database

The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

| | |
|---|---|
| Date of Government Version: 01/11/2011 | Source: Environmental Protection Agency |
| Date Data Arrived at EDR: 01/13/2011 | Telephone: 202-343-9775 |
| Date Made Active in Reports: 02/16/2011 | Last EDR Contact: 04/13/2011 |
| Number of Days to Update: 34 | Next Scheduled EDR Contact: 07/25/2011 |
| | Data Release Frequency: Quarterly |

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

| | |
|---|--|
| Date of Government Version: 04/14/2010 | Source: EPA |
| Date Data Arrived at EDR: 04/16/2010 | Telephone: (312) 353-2000 |
| Date Made Active in Reports: 05/27/2010 | Last EDR Contact: 03/14/2011 |
| Number of Days to Update: 41 | Next Scheduled EDR Contact: 06/27/2011 |
| | Data Release Frequency: Quarterly |

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

| | |
|---|---|
| Date of Government Version: 04/17/1995 | Source: EPA |
| Date Data Arrived at EDR: 07/03/1995 | Telephone: 202-564-4104 |
| Date Made Active in Reports: 08/07/1995 | Last EDR Contact: 06/02/2008 |
| Number of Days to Update: 35 | Next Scheduled EDR Contact: 09/01/2008 |
| | Data Release Frequency: No Update Planned |

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

| | |
|---|--|
| Date of Government Version: 12/31/2009 | Source: EPA/NTIS |
| Date Data Arrived at EDR: 03/01/2011 | Telephone: 800-424-9346 |
| Date Made Active in Reports: 05/02/2011 | Last EDR Contact: 05/27/2011 |
| Number of Days to Update: 62 | Next Scheduled EDR Contact: 09/12/2011 |
| | Data Release Frequency: Biennially |

UIC: Underground Injection Wells Database

A listing of underground injection well locations. The UIC Program is responsible for regulating the construction, operation, permitting, and closure of injection wells that place fluids underground for storage or disposal.

| | |
|---|---|
| Date of Government Version: 01/31/2011 | Source: Department of Natural Resources & Environment |
| Date Data Arrived at EDR: 02/03/2011 | Telephone: 517-241-1515 |
| Date Made Active in Reports: 02/14/2011 | Last EDR Contact: 05/02/2011 |
| Number of Days to Update: 11 | Next Scheduled EDR Contact: 08/15/2011 |
| | Data Release Frequency: Varies |

WDS: Waste Data System

The Waste Data System (WDS) tracks activities at facilities regulated by the Solid Waste, Scrap Tire, Hazardous Waste, and Liquid Industrial Waste programs.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 02/28/2011
Date Data Arrived at EDR: 03/01/2011
Date Made Active in Reports: 03/28/2011
Number of Days to Update: 27

Source: Department of Natural Resources & Environment
Telephone: 517-373-9875
Last EDR Contact: 06/01/2011
Next Scheduled EDR Contact: 09/12/2011
Data Release Frequency: Quarterly

DRYCLEANERS: Drycleaning Establishments
A listing of drycleaning facilities in Michigan.

Date of Government Version: 04/30/2011
Date Data Arrived at EDR: 05/04/2011
Date Made Active in Reports: 05/25/2011
Number of Days to Update: 21

Source: Department of Natural Resources & Environment
Telephone: 517-335-4586
Last EDR Contact: 04/25/2011
Next Scheduled EDR Contact: 08/08/2011
Data Release Frequency: Varies

NPDES: List of Active NPDES Permits

General information regarding NPDES (National Pollutant Discharge Elimination System) permits and NPDES Storm Water permits.

Date of Government Version: 04/12/2011
Date Data Arrived at EDR: 04/13/2011
Date Made Active in Reports: 05/13/2011
Number of Days to Update: 30

Source: Department of Natural Resources & Environment
Telephone: 517-241-1300
Last EDR Contact: 04/13/2011
Next Scheduled EDR Contact: 07/25/2011
Data Release Frequency: Varies

AIRS: Permit and Emissions Inventory Data
Permit and emissions inventory data.

Date of Government Version: 01/12/2011
Date Data Arrived at EDR: 01/14/2011
Date Made Active in Reports: 02/18/2011
Number of Days to Update: 35

Source: Department of Natural Resources & Environment
Telephone: 517-373-7074
Last EDR Contact: 03/31/2011
Next Scheduled EDR Contact: 07/11/2011
Data Release Frequency: Varies

BEA: BASELINE ENVIRONMENTAL ASSESSMENT DATABASE

A Baseline Environmental Assessment (BEA) allows people to purchase or begin operating at a facility without being held liable for existing contamination. BEAs are used to gather enough information about the property being transferred so that existing contamination can be distinguished from any new releases that might occur after the new owner or operator takes over the property.

Date of Government Version: 02/25/2011
Date Data Arrived at EDR: 02/25/2011
Date Made Active in Reports: 03/28/2011
Number of Days to Update: 31

Source: Department of Natural Resources & Environment
Telephone: 517-373-9541
Last EDR Contact: 05/23/2011
Next Scheduled EDR Contact: 09/05/2011
Data Release Frequency: Semi-Annually

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 12/08/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 34

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 04/21/2011
Next Scheduled EDR Contact: 08/01/2011
Data Release Frequency: Semi-Annually

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 03/07/2011
Date Data Arrived at EDR: 03/09/2011
Date Made Active in Reports: 05/02/2011
Number of Days to Update: 54

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 05/23/2011
Next Scheduled EDR Contact: 08/08/2011
Data Release Frequency: Varies

COAL ASH DOE: Sleam-Electric Plan Operation Data

A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 08/07/2009
Date Made Active in Reports: 10/22/2009
Number of Days to Update: 76

Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 04/19/2011
Next Scheduled EDR Contact: 08/01/2011
Data Release Frequency: Varies

FINANCIAL ASSURANCE 1: Financial Assurance Information Listing

Financial assurance information.

Date of Government Version: 01/13/2011
Date Data Arrived at EDR: 01/20/2011
Date Made Active in Reports: 02/14/2011
Number of Days to Update: 25

Source: Department of Natural Resources & Environment
Telephone: 517-335-6610
Last EDR Contact: 04/11/2011
Next Scheduled EDR Contact: 07/25/2011
Data Release Frequency: Varies

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 02/06/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 339

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 04/21/2011
Next Scheduled EDR Contact: 08/01/2011
Data Release Frequency: N/A

FINANCIAL ASSURANCE 2: Financial Assurance Information Listing

A listing of financial assurance information for solid waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 01/05/2011
Date Data Arrived at EDR: 01/07/2011
Date Made Active in Reports: 02/14/2011
Number of Days to Update: 38

Source: Department of Natural Resources & Environment
Telephone: 517-335-4034
Last EDR Contact: 04/04/2011
Next Scheduled EDR Contact: 07/18/2011
Data Release Frequency: Varies

COAL ASH: Coal Ash Disposal Sites

Coal fired power plants in Southeast Michigan that have coal ash handling on site.

Date of Government Version: 04/21/2011
Date Data Arrived at EDR: 04/21/2011
Date Made Active in Reports: 05/13/2011
Number of Days to Update: 22

Source: Department of Natural Resources & Environment
Telephone: 586-753-3754
Last EDR Contact: 04/11/2011
Next Scheduled EDR Contact: 07/25/2011
Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database

The database of PCB transformer registrations that includes all PCB registration submittals.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 01/01/2008
Date Data Arrived at EDR: 02/18/2009
Date Made Active in Reports: 05/29/2009
Number of Days to Update: 100

Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 05/05/2011
Next Scheduled EDR Contact: 08/15/2011
Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 08/17/2010
Date Data Arrived at EDR: 01/03/2011
Date Made Active in Reports: 03/21/2011
Number of Days to Update: 77

Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 03/18/2011
Next Scheduled EDR Contact: 06/27/2011
Data Release Frequency: Varies

EDR PROPRIETARY RECORDS

EDR Proprietary Records

Manufactured Gas Plants: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 12/31/2007
Date Data Arrived at EDR: 08/26/2009
Date Made Active in Reports: 09/11/2009
Number of Days to Update: 16

Source: Department of Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 05/26/2011
Next Scheduled EDR Contact: 09/05/2011
Data Release Frequency: Annually

NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 07/22/2010
Date Made Active in Reports: 08/26/2010
Number of Days to Update: 35

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 04/19/2011
Next Scheduled EDR Contact: 08/01/2011
Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 12/31/2010
Date Data Arrived at EDR: 05/12/2011
Date Made Active in Reports: 05/24/2011
Number of Days to Update: 12

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 05/12/2011
Next Scheduled EDR Contact: 08/22/2011
Data Release Frequency: Annually

PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2008
Date Data Arrived at EDR: 12/01/2009
Date Made Active in Reports: 12/14/2009
Number of Days to Update: 13

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 04/04/2011
Next Scheduled EDR Contact: 07/06/2011
Data Release Frequency: Annually

RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 07/19/2010
Date Made Active in Reports: 08/26/2010
Number of Days to Update: 38

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 05/31/2011
Next Scheduled EDR Contact: 09/12/2011
Data Release Frequency: Annually

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 07/06/2010
Date Made Active in Reports: 07/26/2010
Number of Days to Update: 20

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 03/21/2011
Next Scheduled EDR Contact: 07/04/2011
Data Release Frequency: Annually

Oil/Gas Pipelines: This data was obtained by EDR from the USGS in 1994. It is referred to by USGS as GeoData Digital Line Graphs from 1:100,000-Scale Maps. It was extracted from the transportation category including some oil, but primarily gas pipelines.

Electric Power Transmission Line Data

Source: Rextag Strategies Corp.

Telephone: (281) 769-2247

U.S. Electric Transmission and Power Plants Systems Digital GIS Data

Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:

Source: American Hospital Association, Inc.

Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services

Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes

Source: National Institutes of Health

Telephone: 301-594-6248

Information on Medicare and Medicaid certified nursing homes in the United States.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Public Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Day Care Centers, Group & Family Homes

Source: Bureau of REgulatory Services

Telephone: 517-373-8300

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 2003 & 2011 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetlands Inventory

Source: Department of Natural Resources

Telephone: 517-241-2254

Scanned Digital USGS 7.5' Topographic Map (DRG)

Source: United States Geologic Survey

A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

STREET AND ADDRESS INFORMATION

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GEOCHECK[®] - PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

BATTLEFIELD PROPERTY
1220 EAST ELM
MONROE, MI 48162

TARGET PROPERTY COORDINATES

| | |
|--------------------------------|--------------------------|
| Latitude (North): | 41.91350 - 41° 54' 48.6" |
| Longitude (West): | 83.3731 - 83° 22' 23.2" |
| Universal Transverse Mercator: | Zone 17 |
| UTM X (Meters): | 303188.0 |
| UTM Y (Meters): | 4642682.5 |
| Elevation: | 579 ft. above sea level |

USGS TOPOGRAPHIC MAP

| | |
|-----------------------|--------------------------|
| Target Property Map: | 41083-H4 MONROE, MI |
| Most Recent Revision: | 1979 |
| East Map: | 41083-H3 STONY POINT, MI |
| Most Recent Revision: | 1978 |

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

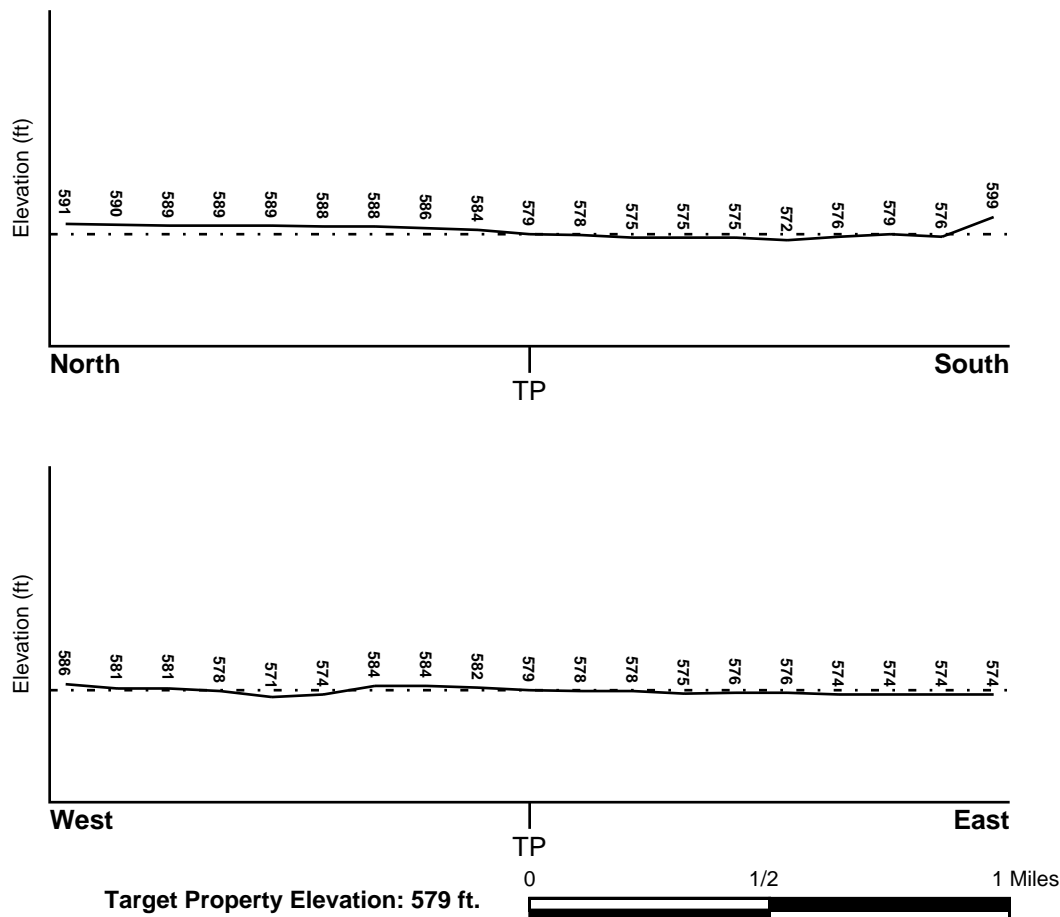
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General SE

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

Target Property County
MONROE, MI

FEMA Flood
Electronic Data
YES - refer to the Overview Map and Detail Map

Flood Plain Panel at Target Property: 2601530015A - FEMA Q3 Flood data

Additional Panels in search area:

- 2601460003A - FEMA Q3 Flood data
- 2601530006A - FEMA Q3 Flood data
- 2601530007A - FEMA Q3 Flood data
- 2601530010A - FEMA Q3 Flood data
- 2601530011A - FEMA Q3 Flood data
- 2601530014A - FEMA Q3 Flood data
- 2601530018A - FEMA Q3 Flood data
- 2601530019A - FEMA Q3 Flood data

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property
STONY POINT

NWI Electronic
Data Coverage
YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data:*

Search Radius: 1.25 miles
Status: Not found

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

| <u>MAP ID</u> | <u>LOCATION</u> <u>FROM TP</u> | <u>GENERAL DIRECTION</u> <u>GROUNDWATER FLOW</u> |
|---------------|-----------------------------------|---|
| Not Reported | | |

* ©1996 Site-specific hydrogeological data gathered by CERCLIS Alerts, Inc., Bainbridge Island, WA. All rights reserved. All of the information and opinions presented are those of the cited EPA report(s), which were completed under a Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS) investigation.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

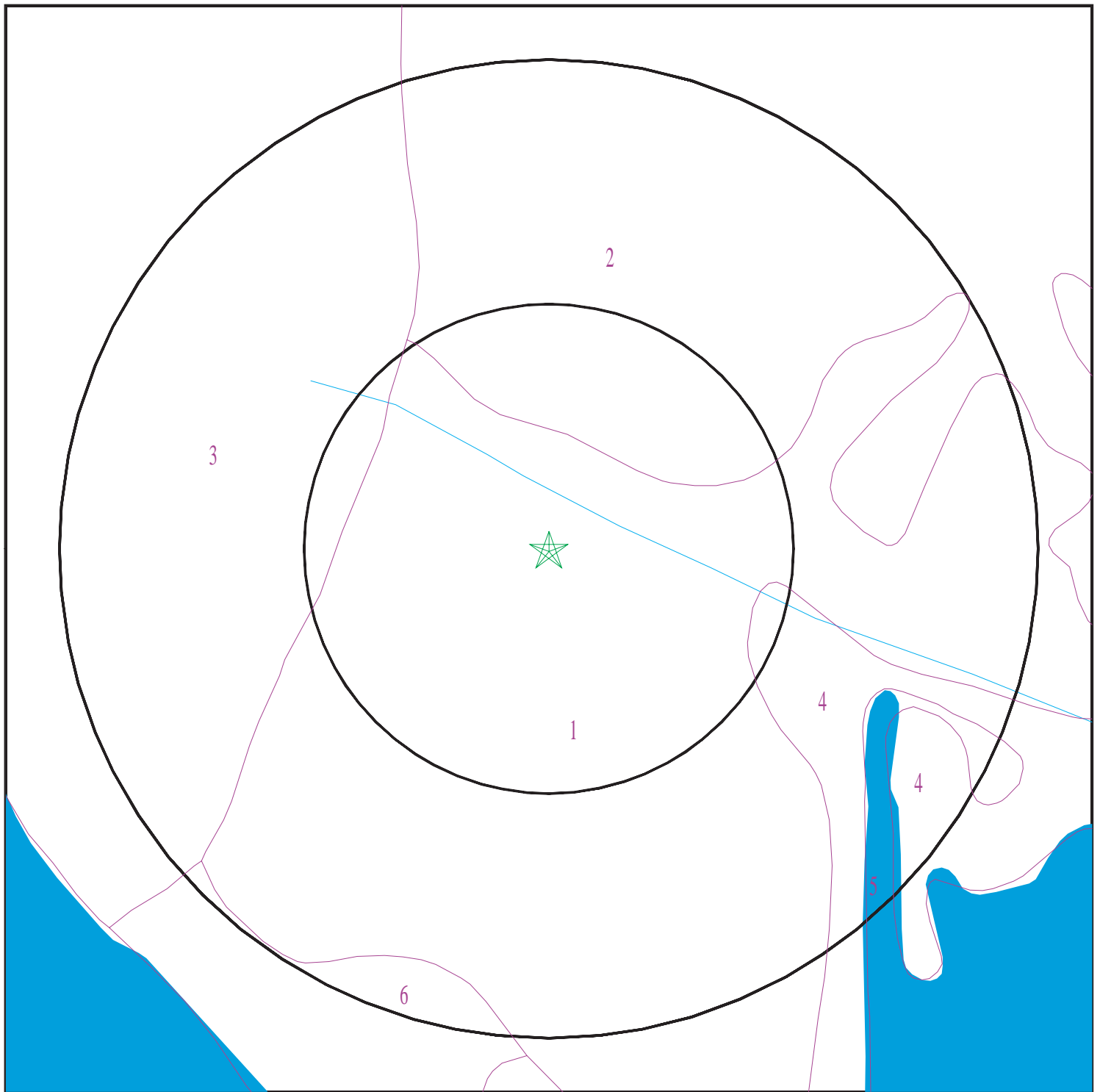
| | |
|---------|--|
| Era: | Paleozoic |
| System: | Silurian |
| Series: | Upper Silurian (Cayugan) |
| Code: | S3 (decoded above as Era, System & Series) |

GEOLOGIC AGE IDENTIFICATION

Category: Stratified Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

SSURGO SOIL MAP - 3084125.2s



- ★ Target Property
- SSURGO Soil
- Water

0 1/16 1/8 1/4 Miles



SITE NAME: Battlefield Property
ADDRESS: 1220 East Elm
Monroe MI 48162
LAT/LONG: 41.9135 / 83.3731

CLIENT: AKT Environmental Consultants
CONTACT: Jessica Cory
INQUIRY #: 3084125.2s
DATE: June 01, 2011 4:00 pm

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. The following information is based on Soil Conservation Service SSURGO data.

Soil Map ID: 1

Soil Component Name: Lenawee

Soil Surface Texture: silty clay loam

Hydrologic Group: Class B/D - Drained/undrained hydrology class of soils that can be drained and are classified.

Soil Drainage Class: Poorly drained

Hydric Status: All hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

| Soil Layer Information | | | | | | | |
|------------------------|-----------|-----------|--------------------|--|--|---|----------------------|
| Layer | Boundary | | Soil Texture Class | Classification | | Saturated hydraulic conductivity micro m/sec | Soil Reaction (pH) |
| | Upper | Lower | | AASHTO Group | Unified Soil | | |
| 1 | 0 inches | 9 inches | silty clay loam | Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils. | FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay Soils. | Max: 4 Min: 1.4 | Max: 8.4 Min: 7.4 |
| 2 | 9 inches | 33 inches | silty clay loam | Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils. | FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay Soils. | Max: 4 Min: 1.4 | Max: 8.4 Min: 7.4 |
| 3 | 33 inches | 59 inches | silt loam | Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils. | FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay Soils. | Max: 4 Min: 1.4 | Max: 8.4 Min: 7.4 |

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Map ID: 2

Soil Component Name: Fulton

Soil Surface Texture: silty clay loam

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Somewhat poorly drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 53 inches

| Soil Layer Information | | | | | | | |
|------------------------|-----------|-----------|--------------------|--|---|--|----------------------|
| Layer | Boundary | | Soil Texture Class | Classification | | Saturated hydraulic conductivity micro m/sec | Soil Reaction (pH) |
| | Upper | Lower | | AASHTO Group | Unified Soil | | |
| 1 | 0 inches | 7 inches | silty clay loam | Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils. | FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay | Max: 1.4 Min: 0.42 | Max: 7.8 Min: 6.1 |
| 2 | 7 inches | 24 inches | clay | Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils. | FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay | Max: 1.4 Min: 0.42 | Max: 7.8 Min: 6.1 |
| 3 | 24 inches | 59 inches | silty clay | Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils. | FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay | Max: 1.4 Min: 0.42 | Max: 7.8 Min: 6.1 |

Soil Map ID: 3

Soil Component Name: Urban land

Soil Surface Texture: silty clay loam

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class:

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Hydric Status: Unknown

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

No Layer Information available.

Soil Map ID: 4

Soil Component Name: Lenawee

Soil Surface Texture: silty clay loam

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Very poorly drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

| Soil Layer Information | | | | | | | |
|------------------------|-----------|-----------|--------------------|--|---|--|----------------------|
| Layer | Boundary | | Soil Texture Class | Classification | | Saturated hydraulic conductivity micro m/sec | Soil Reaction (pH) |
| | Upper | Lower | | AASHTO Group | Unified Soil | | |
| 1 | 0 inches | 9 inches | silty clay loam | Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils. | FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay | Max: 1.4 Min: 0.42 | Max: 8.4 Min: 7.4 |
| 2 | 9 inches | 33 inches | silty clay loam | Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils. | FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay | Max: 1.4 Min: 0.42 | Max: 8.4 Min: 7.4 |
| 3 | 33 inches | 59 inches | silt loam | Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils. | FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay | Max: 1.4 Min: 0.42 | Max: 8.4 Min: 7.4 |

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Map ID: 5

Soil Component Name: Water

Soil Surface Texture: silty clay loam

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class:
Hydric Status: Unknown

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

No Layer Information available.

Soil Map ID: 6

Soil Component Name: Aquents

Soil Surface Texture: variable

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Very poorly drained

Hydric Status: All hydric

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

| Soil Layer Information | | | | | | | |
|------------------------|----------|-----------|--------------------|----------------|--------------|--|--------------------|
| Layer | Boundary | | Soil Texture Class | Classification | | Saturated hydraulic conductivity micro m/sec | Soil Reaction (pH) |
| | Upper | Lower | | AASHTO Group | Unified Soil | | |
| 1 | 0 inches | 59 inches | variable | Not reported | Not reported | Max: Min: | Max: Min: |

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

| <u>DATABASE</u> | <u>SEARCH DISTANCE (miles)</u> |
|------------------|--------------------------------|
| Federal USGS | 1.000 |
| Federal FRDS PWS | Nearest PWS within 1 mile |
| State Database | 1.000 |

FEDERAL USGS WELL INFORMATION

| <u>MAP ID</u> | <u>WELL ID</u> | <u>LOCATION FROM TP</u> |
|----------------|----------------|-----------------------------|
| No Wells Found | | |

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

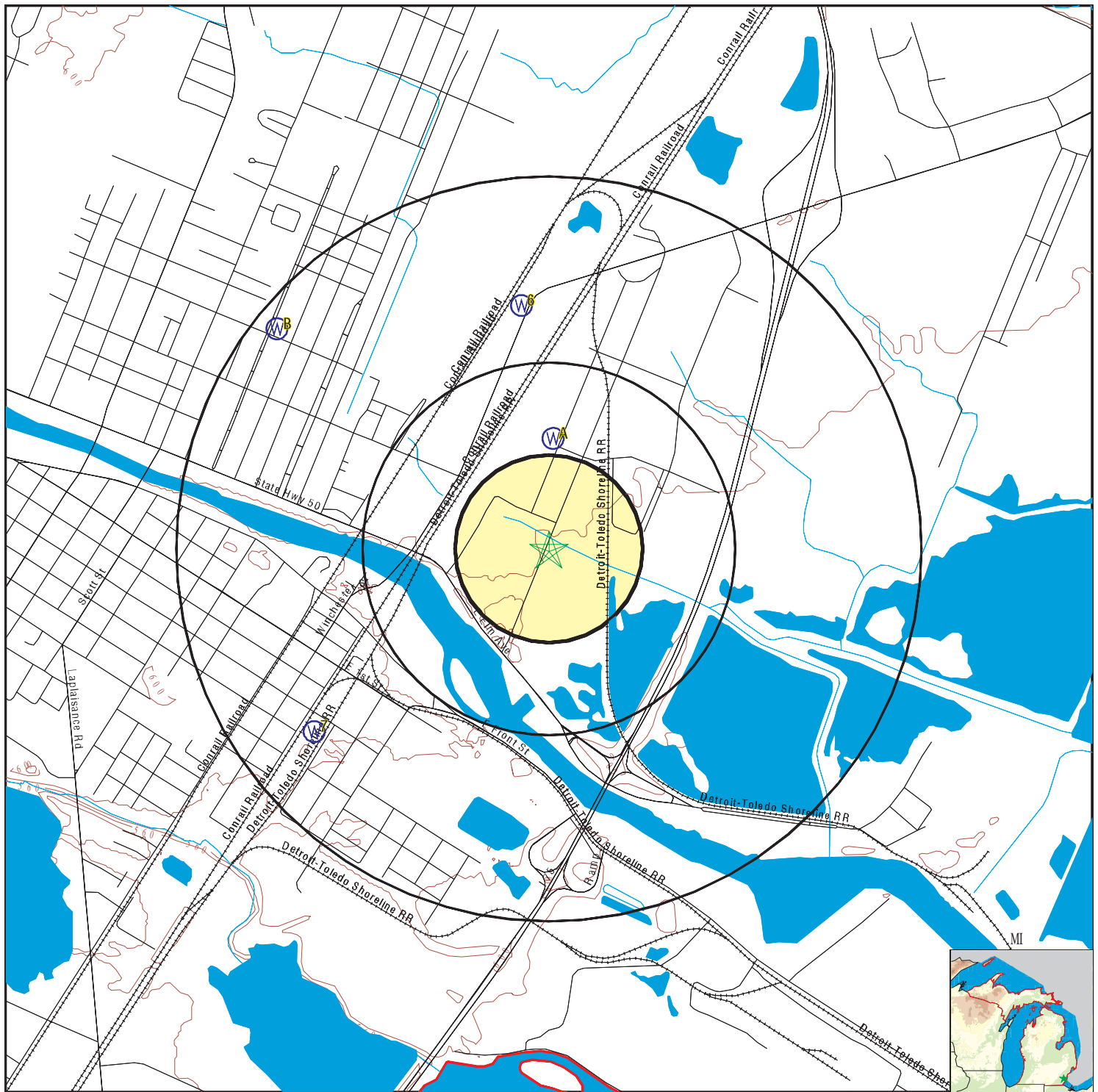
| <u>MAP ID</u> | <u>WELL ID</u> | <u>LOCATION FROM TP</u> |
|---------------------|----------------|-----------------------------|
| No PWS System Found | | |

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

| <u>MAP ID</u> | <u>WELL ID</u> | <u>LOCATION FROM TP</u> |
|---------------|----------------|-----------------------------|
| A1 | MI20219306 | 1/4 - 1/2 Mile North |
| A2 | MI20219305 | 1/4 - 1/2 Mile North |
| A3 | MI20219304 | 1/4 - 1/2 Mile North |
| A4 | MI20219303 | 1/4 - 1/2 Mile North |
| A5 | MI20219302 | 1/4 - 1/2 Mile North |
| 6 | MI20217944 | 1/2 - 1 Mile North |
| 7 | MI20219307 | 1/2 - 1 Mile SW |
| B8 | MI20217942 | 1/2 - 1 Mile NW |
| B9 | MI20217941 | 1/2 - 1 Mile NW |

PHYSICAL SETTING SOURCE MAP - 3084125.2s



- | | |
|--|--|
| County Boundary | Groundwater Flow Direction |
| Major Roads | Indeterminate Groundwater Flow at Location |
| Contour Lines | Groundwater Flow Varies at Location |
| Earthquake epicenter, Richter 5 or greater | Closest Hydrogeological Data |
| Water Wells | Oil, gas or related wells |
| Public Water Supply Wells | |
| Cluster of Multiple Icons | |

SITE NAME: Battlefield Property
 ADDRESS: 1220 East Elm
 Monroe MI 48162
 LAT/LONG: 41.9135 / 83.3731

CLIENT: AKT Environmental Consultants
 CONTACT: Jessica Cory
 INQUIRY #: 3084125.2s
 DATE: June 01, 2011 4:00 pm

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database

EDR ID Number

A1

North

**1/4 - 1/2 Mile
Higher**

MI WELLS

MI20219306

| | | | |
|-------------|-------------------------------|-------------|--------------|
| Wellid: | 58000004264 | Import id: | 58777904006 |
| County: | Monroe | Township: | Frenchtown |
| Town range: | 07S 09E | Section: | 4 |
| Owner name: | Not Reported | | |
| Well addr: | 465 HARBOR | | |
| Well depth: | 148 | | |
| Well type: | Type III public | | |
| Wssn: | 0 | | |
| Well num: | Not Reported | Driller id: | 3 |
| Const date: | 1992-09-25 00:00:00.000 | Case type: | PVC Plastic |
| Case dia: | 6 | | |
| Case depth: | 25 | | |
| Screen frm: | 0 | | |
| Screen to: | 0 | | |
| Swl: | 20 | | |
| Test depth: | 84 | | |
| Test hours: | 2 | | |
| Test rate: | 185 | Test methd: | Unknown |
| Grouted: | 1 | Pmp cpcity: | 0 |
| Latitude: | 41.9174737996 | | |
| Longitude: | -83.3728455924 | | |
| Methd coll: | Interpolation-Map | | |
| Elevation: | 586 | | |
| Elev methd: | Topographoc Map Interpolation | Depth flag: | Not Reported |
| Elev flag: | Not Reported | | |
| Swl flag: | Not Reported | | |
| Elev dem: | 584 | Elev dif: | 2 |
| Elev miv: | 586 | Aq code: | Rock Well |
| Aq flag: | Not Reported | Pct aq: | 1 |
| Pct aq d: | 0 | Pct aq r: | 1 |
| Pct maq: | 94 | Pct maq d: | 0 |
| Pct maq r: | 99 | Pct cm: | 5 |
| Pct cm d: | 100 | Pct cm r: | 0 |
| Pct pcm: | 0 | Pct pcm d: | 0 |
| Pct pcm r: | 0 | Pct na: | 0 |
| Pct na d: | 0 | Pct na r: | 0 |
| Pct flag: | Not Reported | Rock top: | 8 |
| D r type: | Not Reported | Spc cpcity: | 0 |
| A thicknes: | 0 | A pct aq: | 0 |
| A pct maq: | 0 | A pct pcm: | 0 |
| A pct cm: | 0 | A pct na: | 0 |
| A thickns2: | 0 | A pct aq2: | 0 |
| A pct maq2: | 0 | A pct pcm2: | 0 |
| A pct cm2: | 0 | A pct na2: | 0 |
| A hit swl: | F | A hit top: | T |
| A hit rock: | F | A sc lith1: | Not Reported |
| A sc lmod1: | Not Reported | A sc lmaq1: | Not Reported |
| A sc lpct1: | 0 | A sc lith2: | Not Reported |
| A sc lmod2: | Not Reported | A sc lmaq2: | Not Reported |
| A sc lpct2: | 0 | Pct aq 1: | 0 |
| Pct maq 1: | 0 | Pct cm 1: | 0 |
| Pct pcm 1: | 0 | Pct na 1: | 0 |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

| | | | |
|----------------|--------------|-------------|---|
| Pct aq 2: | 0 | Pct maq 2: | 0 |
| Pct cm 2: | 0 | Pct pcm 2: | 0 |
| Pct na 2: | 0 | Pct aq 3: | 0 |
| Pct maq 3: | 0 | Pct cm 3: | 0 |
| Pct pcm 3: | 0 | Pct na 3: | 0 |
| Pct aq 4: | 0 | Pct maq 4: | 0 |
| Pct cm 4: | 0 | Pct pcm 4: | 0 |
| Pct na 4: | 0 | Pct aq 5: | 0 |
| Pct maq 5: | 0 | Pct cm 5: | 0 |
| Pct pcm 5: | 0 | Pct na 5: | 0 |
| Pct aq 6: | 0 | Pct maq 6: | 0 |
| Pct cm 6: | 0 | Pct pcm 6: | 0 |
| Pct na 6: | 0 | Pct aq 7: | 0 |
| Pct maq 7: | 0 | Pct cm 7: | 0 |
| Pct pcm 7: | 0 | Pct na 7: | 0 |
| Pct aq 8: | 0 | Pct maq 8: | 0 |
| Pct cm 8: | 0 | Pct pcm 8: | 0 |
| Pct na 8: | 0 | Pct aq 9: | 0 |
| Pct maq 9: | 0 | Pct cm 9: | 0 |
| Pct pcm 9: | 0 | Pct na 9: | 0 |
| Pct aq 10: | 0 | Pct maq 10: | 0 |
| Pct cm 10: | 0 | Pct pcm 10: | 0 |
| Pct na 10: | 0 | Pct aq 11: | 0 |
| Pct maq 11: | 0 | Pct cm 11: | 0 |
| Pct pcm 11: | 0 | Pct na 11: | 0 |
| Pct aq 12: | 0 | Pct maq 12: | 0 |
| Pct cm 12: | 0 | Pct pcm 12: | 0 |
| Pct na 12: | 0 | Pct aq 13: | 0 |
| Pct maq 13: | 0 | Pct cm 13: | 0 |
| Pct pcm 13: | 0 | Pct na 13: | 0 |
| Within sec: | Y | Loc match: | Y |
| Aq code 1: | Not Reported | | |
| Hit swl: | Not Reported | | |
| Athk2: | 0 | | |
| Horiz Conduct: | 0 | | |
| Vert Conduct: | 0 | | |
| T2: | 0 | | |
| D50plek: | 0 | | |

A2
North
1/4 - 1/2 Mile
Higher

MI WELLS MI20219305

| | | | |
|-------------|-------------------------|-------------|-------------|
| Wellid: | 58000004263 | Import id: | 58777904005 |
| County: | Monroe | Township: | Frenchtown |
| Town range: | 07S 09E | Section: | 4 |
| Owner name: | Not Reported | | |
| Well addr: | 465 HARBOR | | |
| Well depth: | 138 | | |
| Well type: | Type III public | | |
| Wssn: | 0 | | |
| Well num: | Not Reported | Driller id: | 3 |
| Const date: | 1989-10-13 00:00:00.000 | Case type: | PVC Plastic |
| Case dia: | 6 | | |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

| | | | |
|-------------|-------------------------------|-------------|--------------|
| Case depth: | 25 | | |
| Screen frm: | 0 | | |
| Screen to: | 0 | | |
| Swl: | 20 | | |
| Test depth: | 80 | | |
| Test hours: | 3 | | |
| Test rate: | 150 | Test methd: | Unknown |
| Grouted: | 1 | Pmp cpcity: | 0 |
| Latitude: | 41.9176466745 | | |
| Longitude: | -83.3731346305 | | |
| Methd coll: | Interpolation-Map | | |
| Elevation: | 586 | | |
| Elev methd: | Topographoc Map Interpolation | Depth flag: | Not Reported |
| Elev flag: | Not Reported | | |
| Swl flag: | Not Reported | | |
| Elev dem: | 587 | Elev dif: | 1 |
| Elev miv: | 586 | Aq code: | Rock Well |
| Aq flag: | Not Reported | Pct aq: | 2 |
| Pct aq d: | 0 | Pct aq r: | 2 |
| Pct maq: | 93 | Pct maq d: | 0 |
| Pct maq r: | 98 | Pct cm: | 5 |
| Pct cm d: | 100 | Pct cm r: | 0 |
| Pct pcm: | 0 | Pct pcm d: | 0 |
| Pct pcm r: | 0 | Pct na: | 0 |
| Pct na d: | 0 | Pct na r: | 0 |
| Pct flag: | Not Reported | Rock top: | 7 |
| D r type: | Not Reported | Spc cpcity: | 0 |
| A thicknes: | 0 | A pct aq: | 0 |
| A pct maq: | 0 | A pct pcm: | 0 |
| A pct cm: | 0 | A pct na: | 0 |
| A thickns2: | 0 | A pct aq2: | 0 |
| A pct maq2: | 0 | A pct pcm2: | 0 |
| A pct cm2: | 0 | A pct na2: | 0 |
| A hit swl: | F | A hit top: | T |
| A hit rock: | F | A sc lith1: | Not Reported |
| A sc lmod1: | Not Reported | A sc lmaq1: | Not Reported |
| A sc lpct1: | 0 | A sc lith2: | Not Reported |
| A sc lmod2: | Not Reported | A sc lmaq2: | Not Reported |
| A sc lpct2: | 0 | Pct aq 1: | 0 |
| Pct maq 1: | 0 | Pct cm 1: | 0 |
| Pct pcm 1: | 0 | Pct na 1: | 0 |
| Pct aq 2: | 0 | Pct maq 2: | 0 |
| Pct cm 2: | 0 | Pct pcm 2: | 0 |
| Pct na 2: | 0 | Pct aq 3: | 0 |
| Pct maq 3: | 0 | Pct cm 3: | 0 |
| Pct pcm 3: | 0 | Pct na 3: | 0 |
| Pct aq 4: | 0 | Pct maq 4: | 0 |
| Pct cm 4: | 0 | Pct pcm 4: | 0 |
| Pct na 4: | 0 | Pct aq 5: | 0 |
| Pct maq 5: | 0 | Pct cm 5: | 0 |
| Pct pcm 5: | 0 | Pct na 5: | 0 |
| Pct aq 6: | 0 | Pct maq 6: | 0 |
| Pct cm 6: | 0 | Pct pcm 6: | 0 |
| Pct na 6: | 0 | Pct aq 7: | 0 |
| Pct maq 7: | 0 | Pct cm 7: | 0 |
| Pct pcm 7: | 0 | Pct na 7: | 0 |
| Pct aq 8: | 0 | Pct maq 8: | 0 |
| Pct cm 8: | 0 | Pct pcm 8: | 0 |
| Pct na 8: | 0 | Pct aq 9: | 0 |
| Pct maq 9: | 0 | Pct cm 9: | 0 |
| Pct pcm 9: | 0 | Pct na 9: | 0 |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

| | | | |
|----------------|--------------|-------------|---|
| Pct aq 10: | 0 | Pct maq 10: | 0 |
| Pct cm 10: | 0 | Pct pcm 10: | 0 |
| Pct na 10: | 0 | Pct aq 11: | 0 |
| Pct maq 11: | 0 | Pct cm 11: | 0 |
| Pct pcm 11: | 0 | Pct na 11: | 0 |
| Pct aq 12: | 0 | Pct maq 12: | 0 |
| Pct cm 12: | 0 | Pct pcm 12: | 0 |
| Pct na 12: | 0 | Pct aq 13: | 0 |
| Pct maq 13: | 0 | Pct cm 13: | 0 |
| Pct pcm 13: | 0 | Pct na 13: | 0 |
| Within sec: | Y | Loc match: | Y |
| Aq code 1: | Not Reported | | |
| Hit swl: | Not Reported | | |
| Athk2: | 0 | | |
| Horiz Conduct: | 0 | | |
| Vert Conduct: | 0 | | |
| T2: | 0 | | |
| D50plek: | 0 | | |

A3
North
1/4 - 1/2 Mile
Higher

MI WELLS MI20219304

| | | | |
|-------------|-------------------------------|-------------|--------------|
| Wellid: | 58000004262 | Import id: | 58777904004 |
| County: | Monroe | Township: | Frenchtown |
| Town range: | 07S 09E | Section: | 4 |
| Owner name: | Not Reported | | |
| Well addr: | 465 HARBOR | | |
| Well depth: | 148 | | |
| Well type: | Type III public | | |
| Wssn: | 0 | | |
| Well num: | Not Reported | Driller id: | 3 |
| Const date: | 1989-10-13 00:00:00.000 | Case type: | PVC Plastic |
| Case dia: | 6 | | |
| Case depth: | 25 | | |
| Screen frm: | 0 | | |
| Screen to: | 0 | | |
| Swl: | 20 | | |
| Test depth: | 85 | | |
| Test hours: | 3.5 | | |
| Test rate: | 200 | Test methd: | Unknown |
| Grouted: | 1 | Pmp cpcity: | 0 |
| Latitude: | 41.9178229953 | | |
| Longitude: | -83.3727620389 | | |
| Methd coll: | Interpolation-Map | | |
| Elevation: | 586 | | |
| Elev methd: | Topographoc Map Interpolation | Depth flag: | Not Reported |
| Elev flag: | Not Reported | | |
| Swl flag: | Not Reported | | |
| Elev dem: | 584 | Elev dif: | 2 |
| Elev miv: | 586 | Aq code: | Rock Well |
| Aq flag: | Not Reported | Pct aq: | 1 |
| Pct aq d: | 0 | Pct aq r: | 1 |
| Pct maq: | 94 | Pct maq d: | 0 |
| Pct maq r: | 99 | Pct cm: | 5 |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

| | | | |
|----------------|--------------|-------------|--------------|
| Pct cm d: | 100 | Pct cm r: | 0 |
| Pct pcm: | 0 | Pct pcm d: | 0 |
| Pct pcm r: | 0 | Pct na: | 0 |
| Pct na d: | 0 | Pct na r: | 0 |
| Pct flag: | Not Reported | Rock top: | 8 |
| D r type: | Not Reported | Spc cpcity: | 0 |
| A thicknes: | 0 | A pct aq: | 0 |
| A pct maq: | 0 | A pct pcm: | 0 |
| A pct cm: | 0 | A pct na: | 0 |
| A thickns2: | 0 | A pct aq2: | 0 |
| A pct maq2: | 0 | A pct pcm2: | 0 |
| A pct cm2: | 0 | A pct na2: | 0 |
| A hit swl: | F | A hit top: | T |
| A hit rock: | F | A sc lith1: | Not Reported |
| A sc lmod1: | Not Reported | A sc lmaq1: | Not Reported |
| A sc lpct1: | 0 | A sc lith2: | Not Reported |
| A sc lmod2: | Not Reported | A sc lmaq2: | Not Reported |
| A sc lpct2: | 0 | Pct aq 1: | 0 |
| Pct maq 1: | 0 | Pct cm 1: | 0 |
| Pct pcm 1: | 0 | Pct na 1: | 0 |
| Pct aq 2: | 0 | Pct maq 2: | 0 |
| Pct cm 2: | 0 | Pct pcm 2: | 0 |
| Pct na 2: | 0 | Pct aq 3: | 0 |
| Pct maq 3: | 0 | Pct cm 3: | 0 |
| Pct pcm 3: | 0 | Pct na 3: | 0 |
| Pct aq 4: | 0 | Pct maq 4: | 0 |
| Pct cm 4: | 0 | Pct pcm 4: | 0 |
| Pct na 4: | 0 | Pct aq 5: | 0 |
| Pct maq 5: | 0 | Pct cm 5: | 0 |
| Pct pcm 5: | 0 | Pct na 5: | 0 |
| Pct aq 6: | 0 | Pct maq 6: | 0 |
| Pct cm 6: | 0 | Pct pcm 6: | 0 |
| Pct na 6: | 0 | Pct aq 7: | 0 |
| Pct maq 7: | 0 | Pct cm 7: | 0 |
| Pct pcm 7: | 0 | Pct na 7: | 0 |
| Pct aq 8: | 0 | Pct maq 8: | 0 |
| Pct cm 8: | 0 | Pct pcm 8: | 0 |
| Pct na 8: | 0 | Pct aq 9: | 0 |
| Pct maq 9: | 0 | Pct cm 9: | 0 |
| Pct pcm 9: | 0 | Pct na 9: | 0 |
| Pct aq 10: | 0 | Pct maq 10: | 0 |
| Pct cm 10: | 0 | Pct pcm 10: | 0 |
| Pct na 10: | 0 | Pct aq 11: | 0 |
| Pct maq 11: | 0 | Pct cm 11: | 0 |
| Pct pcm 11: | 0 | Pct na 11: | 0 |
| Pct aq 12: | 0 | Pct maq 12: | 0 |
| Pct cm 12: | 0 | Pct pcm 12: | 0 |
| Pct na 12: | 0 | Pct aq 13: | 0 |
| Pct maq 13: | 0 | Pct cm 13: | 0 |
| Pct pcm 13: | 0 | Pct na 13: | 0 |
| Within sec: | Y | Loc match: | Y |
| Aq code 1: | Not Reported | | |
| Hit swl: | Not Reported | | |
| Athk2: | 0 | | |
| Horiz Conduct: | 0 | | |
| Vert Conduct: | 0 | | |
| T2: | 0 | | |
| D50plek: | 0 | | |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database

EDR ID Number

A4

North

1/4 - 1/2 Mile

Higher

MI WELLS

MI20219303

| | | | |
|-------------|-------------------------------|-------------|--------------|
| Wellid: | 58000004261 | Import id: | 58777904003 |
| County: | Monroe | Township: | Frenchtown |
| Town range: | 07S 09E | Section: | 4 |
| Owner name: | Not Reported | | |
| Well addr: | 465 HARBOR | | |
| Well depth: | 127 | | |
| Well type: | Other | | |
| Wssn: | 0 | | |
| Well num: | Not Reported | Driller id: | 5 |
| Const date: | 1983-02-17 00:00:00.000 | Case type: | Unknown |
| Case dia: | 5 | | |
| Case depth: | 25 | | |
| Screen frm: | 0 | | |
| Screen to: | 0 | | |
| Swl: | 7 | | |
| Test depth: | 45 | | |
| Test hours: | 1 | | |
| Test rate: | 100 | Test methd: | Unknown |
| Grouted: | 1 | Pmp cpcity: | 0 |
| Latitude: | 41.9180224501 | | |
| Longitude: | -83.3730819752 | | |
| Methd coll: | Interpolation-Map | | |
| Elevation: | 586 | | |
| Elev methd: | Topographoc Map Interpolation | Depth flag: | Not Reported |
| Elev flag: | Not Reported | | |
| Swl flag: | Not Reported | | |
| Elev dem: | 587 | Elev dif: | 1 |
| Elev miv: | 586 | Aq code: | Rock Well |
| Aq flag: | Not Reported | Pct aq: | 1 |
| Pct aq d: | 13 | Pct aq r: | 0 |
| Pct maq: | 94 | Pct maq d: | 0 |
| Pct maq r: | 100 | Pct cm: | 6 |
| Pct cm d: | 88 | Pct cm r: | 0 |
| Pct pcm: | 0 | Pct pcm d: | 0 |
| Pct pcm r: | 0 | Pct na: | 0 |
| Pct na d: | 0 | Pct na r: | 0 |
| Pct flag: | Not Reported | Rock top: | 8 |
| D r type: | Not Reported | Spc cpcity: | 0 |
| A thicknes: | 0 | A pct aq: | 0 |
| A pct maq: | 0 | A pct pcm: | 0 |
| A pct cm: | 0 | A pct na: | 0 |
| A thickns2: | 0 | A pct aq2: | 0 |
| A pct maq2: | 0 | A pct pcm2: | 0 |
| A pct cm2: | 0 | A pct na2: | 0 |
| A hit swl: | F | A hit top: | T |
| A hit rock: | F | A sc lith1: | Not Reported |
| A sc lmod1: | Not Reported | A sc lmaq1: | Not Reported |
| A sc lpct1: | 0 | A sc lith2: | Not Reported |
| A sc lmod2: | Not Reported | A sc lmaq2: | Not Reported |
| A sc lpct2: | 0 | Pct aq 1: | 0 |
| Pct maq 1: | 0 | Pct cm 1: | 0 |
| Pct pcm 1: | 0 | Pct na 1: | 0 |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

| | | | |
|----------------|--------------|-------------|---|
| Pct aq 2: | 0 | Pct maq 2: | 0 |
| Pct cm 2: | 0 | Pct pcm 2: | 0 |
| Pct na 2: | 0 | Pct aq 3: | 0 |
| Pct maq 3: | 0 | Pct cm 3: | 0 |
| Pct pcm 3: | 0 | Pct na 3: | 0 |
| Pct aq 4: | 0 | Pct maq 4: | 0 |
| Pct cm 4: | 0 | Pct pcm 4: | 0 |
| Pct na 4: | 0 | Pct aq 5: | 0 |
| Pct maq 5: | 0 | Pct cm 5: | 0 |
| Pct pcm 5: | 0 | Pct na 5: | 0 |
| Pct aq 6: | 0 | Pct maq 6: | 0 |
| Pct cm 6: | 0 | Pct pcm 6: | 0 |
| Pct na 6: | 0 | Pct aq 7: | 0 |
| Pct maq 7: | 0 | Pct cm 7: | 0 |
| Pct pcm 7: | 0 | Pct na 7: | 0 |
| Pct aq 8: | 0 | Pct maq 8: | 0 |
| Pct cm 8: | 0 | Pct pcm 8: | 0 |
| Pct na 8: | 0 | Pct aq 9: | 0 |
| Pct maq 9: | 0 | Pct cm 9: | 0 |
| Pct pcm 9: | 0 | Pct na 9: | 0 |
| Pct aq 10: | 0 | Pct maq 10: | 0 |
| Pct cm 10: | 0 | Pct pcm 10: | 0 |
| Pct na 10: | 0 | Pct aq 11: | 0 |
| Pct maq 11: | 0 | Pct cm 11: | 0 |
| Pct pcm 11: | 0 | Pct na 11: | 0 |
| Pct aq 12: | 0 | Pct maq 12: | 0 |
| Pct cm 12: | 0 | Pct pcm 12: | 0 |
| Pct na 12: | 0 | Pct aq 13: | 0 |
| Pct maq 13: | 0 | Pct cm 13: | 0 |
| Pct pcm 13: | 0 | Pct na 13: | 0 |
| Within sec: | Y | Loc match: | Y |
| Aq code 1: | Not Reported | | |
| Hit swl: | Not Reported | | |
| Athk2: | 0 | | |
| Horiz Conduct: | 0 | | |
| Vert Conduct: | 0 | | |
| T2: | 0 | | |
| D50plek: | 0 | | |

A5
North
1/4 - 1/2 Mile
Higher

MI WELLS MI20219302

| | | | |
|-------------|-------------------------|-------------|-------------|
| Wellid: | 58000004260 | Import id: | 58777904002 |
| County: | Monroe | Township: | Frenchtown |
| Town range: | 07S 09E | Section: | 4 |
| Owner name: | Not Reported | | |
| Well addr: | 465 HARBOR | | |
| Well depth: | 146 | | |
| Well type: | Other | | |
| Wssn: | 0 | | |
| Well num: | Not Reported | Driller id: | 3 |
| Const date: | 1956-04-21 00:00:00.000 | Case type: | Steel-black |
| Case dia: | 6 | | |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

| | | | |
|-------------|-------------------------------|-------------|--------------|
| Case depth: | 25 | | |
| Screen frm: | 0 | | |
| Screen to: | 0 | | |
| Swl: | 8 | | |
| Test depth: | 38 | | |
| Test hours: | 6 | | |
| Test rate: | 80 | Test methd: | Unknown |
| Grouted: | 1 | Pmp cpcity: | 0 |
| Latitude: | 41.9180058681 | | |
| Longitude: | -83.3725368937 | | |
| Methd coll: | Interpolation-Map | | |
| Elevation: | 586 | | |
| Elev methd: | Topographoc Map Interpolation | Depth flag: | Not Reported |
| Elev flag: | Not Reported | | |
| Swl flag: | Not Reported | | |
| Elev dem: | 584 | Elev dif: | 2 |
| Elev miv: | 586 | Aq code: | Rock Well |
| Aq flag: | Not Reported | Pct aq: | 0 |
| Pct aq d: | 0 | Pct aq r: | 0 |
| Pct maq: | 94 | Pct maq d: | 0 |
| Pct maq r: | 100 | Pct cm: | 6 |
| Pct cm d: | 100 | Pct cm r: | 0 |
| Pct pcm: | 0 | Pct pcm d: | 0 |
| Pct pcm r: | 0 | Pct na: | 0 |
| Pct na d: | 0 | Pct na r: | 0 |
| Pct flag: | Not Reported | Rock top: | 9 |
| D r type: | Not Reported | Spc cpcity: | 0 |
| A thicknes: | 0 | A pct aq: | 0 |
| A pct maq: | 0 | A pct pcm: | 0 |
| A pct cm: | 0 | A pct na: | 0 |
| A thickns2: | 0 | A pct aq2: | 0 |
| A pct maq2: | 0 | A pct pcm2: | 0 |
| A pct cm2: | 0 | A pct na2: | 0 |
| A hit swl: | F | A hit top: | T |
| A hit rock: | F | A sc lith1: | Not Reported |
| A sc lmod1: | Not Reported | A sc lmaq1: | Not Reported |
| A sc lpct1: | 0 | A sc lith2: | Not Reported |
| A sc lmod2: | Not Reported | A sc lmaq2: | Not Reported |
| A sc lpct2: | 0 | Pct aq 1: | 0 |
| Pct maq 1: | 0 | Pct cm 1: | 0 |
| Pct pcm 1: | 0 | Pct na 1: | 0 |
| Pct aq 2: | 0 | Pct maq 2: | 0 |
| Pct cm 2: | 0 | Pct pcm 2: | 0 |
| Pct na 2: | 0 | Pct aq 3: | 0 |
| Pct maq 3: | 0 | Pct cm 3: | 0 |
| Pct pcm 3: | 0 | Pct na 3: | 0 |
| Pct aq 4: | 0 | Pct maq 4: | 0 |
| Pct cm 4: | 0 | Pct pcm 4: | 0 |
| Pct na 4: | 0 | Pct aq 5: | 0 |
| Pct maq 5: | 0 | Pct cm 5: | 0 |
| Pct pcm 5: | 0 | Pct na 5: | 0 |
| Pct aq 6: | 0 | Pct maq 6: | 0 |
| Pct cm 6: | 0 | Pct pcm 6: | 0 |
| Pct na 6: | 0 | Pct aq 7: | 0 |
| Pct maq 7: | 0 | Pct cm 7: | 0 |
| Pct pcm 7: | 0 | Pct na 7: | 0 |
| Pct aq 8: | 0 | Pct maq 8: | 0 |
| Pct cm 8: | 0 | Pct pcm 8: | 0 |
| Pct na 8: | 0 | Pct aq 9: | 0 |
| Pct maq 9: | 0 | Pct cm 9: | 0 |
| Pct pcm 9: | 0 | Pct na 9: | 0 |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

| | | | |
|----------------|--------------|-------------|---|
| Pct aq 10: | 0 | Pct maq 10: | 0 |
| Pct cm 10: | 0 | Pct pcm 10: | 0 |
| Pct na 10: | 0 | Pct aq 11: | 0 |
| Pct maq 11: | 0 | Pct cm 11: | 0 |
| Pct pcm 11: | 0 | Pct na 11: | 0 |
| Pct aq 12: | 0 | Pct maq 12: | 0 |
| Pct cm 12: | 0 | Pct pcm 12: | 0 |
| Pct na 12: | 0 | Pct aq 13: | 0 |
| Pct maq 13: | 0 | Pct cm 13: | 0 |
| Pct pcm 13: | 0 | Pct na 13: | 0 |
| Within sec: | Y | Loc match: | Y |
| Aq code 1: | Not Reported | | |
| Hit swl: | Not Reported | | |
| Athk2: | 0 | | |
| Horiz Conduct: | 0 | | |
| Vert Conduct: | 0 | | |
| T2: | 0 | | |
| D50plek: | 0 | | |

6
North
1/2 - 1 Mile
Higher

MI WELLS MI20217944

| | | | |
|-------------|-------------------------------|-------------|--------------|
| Wellid: | 58000002806 | Import id: | 58767933001 |
| County: | Monroe | Township: | Frenchtown |
| Town range: | 06S 09E | Section: | 33 |
| Owner name: | Not Reported | | |
| Well addr: | 891 N. DIXIE | | |
| Well depth: | 79 | | |
| Well type: | Other | | |
| Wssn: | 0 | | |
| Well num: | Not Reported | Driller id: | 553 |
| Const date: | 1974-10-18 00:00:00.000 | Case type: | Unknown |
| Case dia: | 4 | | |
| Case depth: | 27 | | |
| Screen frm: | 0 | | |
| Screen to: | 0 | | |
| Swl: | 8 | | |
| Test depth: | 25 | | |
| Test hours: | 1 | | |
| Test rate: | 25 | Test methd: | Unknown |
| Grouted: | 1 | Pmp cpcity: | 0 |
| Latitude: | 41.9229644792 | | |
| Longitude: | -83.3745184789 | | |
| Methd coll: | Interpolation-Map | | |
| Elevation: | 590 | | |
| Elev methd: | Topographoc Map Interpolation | Depth flag: | Not Reported |
| Elev flag: | Not Reported | | |
| Swl flag: | Not Reported | | |
| Elev dem: | 587 | Elev dif: | 3 |
| Elev miv: | 590 | Aq code: | Rock Well |
| Aq flag: | Not Reported | Pct aq: | 0 |
| Pct aq d: | 0 | Pct aq r: | 0 |
| Pct maq: | 94 | Pct maq d: | 0 |
| Pct maq r: | 100 | Pct cm: | 6 |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

| | | | |
|----------------|--------------|-------------|--------------|
| Pct cm d: | 100 | Pct cm r: | 0 |
| Pct pcm: | 0 | Pct pcm d: | 0 |
| Pct pcm r: | 0 | Pct na: | 0 |
| Pct na d: | 0 | Pct na r: | 0 |
| Pct flag: | Not Reported | Rock top: | 5 |
| D r type: | Not Reported | Spc cpcity: | 0 |
| A thicknes: | 0 | A pct aq: | 0 |
| A pct maq: | 0 | A pct pcm: | 0 |
| A pct cm: | 0 | A pct na: | 0 |
| A thickns2: | 0 | A pct aq2: | 0 |
| A pct maq2: | 0 | A pct pcm2: | 0 |
| A pct cm2: | 0 | A pct na2: | 0 |
| A hit swl: | F | A hit top: | T |
| A hit rock: | F | A sc lith1: | Not Reported |
| A sc lmod1: | Not Reported | A sc lmaq1: | Not Reported |
| A sc lpct1: | 0 | A sc lith2: | Not Reported |
| A sc lmod2: | Not Reported | A sc lmaq2: | Not Reported |
| A sc lpct2: | 0 | Pct aq 1: | 0 |
| Pct maq 1: | 0 | Pct cm 1: | 0 |
| Pct pcm 1: | 0 | Pct na 1: | 0 |
| Pct aq 2: | 0 | Pct maq 2: | 0 |
| Pct cm 2: | 0 | Pct pcm 2: | 0 |
| Pct na 2: | 0 | Pct aq 3: | 0 |
| Pct maq 3: | 0 | Pct cm 3: | 0 |
| Pct pcm 3: | 0 | Pct na 3: | 0 |
| Pct aq 4: | 0 | Pct maq 4: | 0 |
| Pct cm 4: | 0 | Pct pcm 4: | 0 |
| Pct na 4: | 0 | Pct aq 5: | 0 |
| Pct maq 5: | 0 | Pct cm 5: | 0 |
| Pct pcm 5: | 0 | Pct na 5: | 0 |
| Pct aq 6: | 0 | Pct maq 6: | 0 |
| Pct cm 6: | 0 | Pct pcm 6: | 0 |
| Pct na 6: | 0 | Pct aq 7: | 0 |
| Pct maq 7: | 0 | Pct cm 7: | 0 |
| Pct pcm 7: | 0 | Pct na 7: | 0 |
| Pct aq 8: | 0 | Pct maq 8: | 0 |
| Pct cm 8: | 0 | Pct pcm 8: | 0 |
| Pct na 8: | 0 | Pct aq 9: | 0 |
| Pct maq 9: | 0 | Pct cm 9: | 0 |
| Pct pcm 9: | 0 | Pct na 9: | 0 |
| Pct aq 10: | 0 | Pct maq 10: | 0 |
| Pct cm 10: | 0 | Pct pcm 10: | 0 |
| Pct na 10: | 0 | Pct aq 11: | 0 |
| Pct maq 11: | 0 | Pct cm 11: | 0 |
| Pct pcm 11: | 0 | Pct na 11: | 0 |
| Pct aq 12: | 0 | Pct maq 12: | 0 |
| Pct cm 12: | 0 | Pct pcm 12: | 0 |
| Pct na 12: | 0 | Pct aq 13: | 0 |
| Pct maq 13: | 0 | Pct cm 13: | 0 |
| Pct pcm 13: | 0 | Pct na 13: | 0 |
| Within sec: | Y | Loc match: | Y |
| Aq code 1: | Not Reported | | |
| Hit swl: | Not Reported | | |
| Athk2: | 0 | | |
| Horiz Conduct: | 0 | | |
| Vert Conduct: | 0 | | |
| T2: | 0 | | |
| D50plek: | 0 | | |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database

EDR ID Number

7

SW

1/2 - 1 Mile
Higher

MI WELLS

MI20219307

| | | | |
|-------------|-------------------------------|-------------|--------------|
| Wellid: | 58000004265 | Import id: | 58777905001 |
| County: | Monroe | Township: | Frenchtown |
| Town range: | 07S 09E | Section: | 5 |
| Owner name: | Not Reported | | |
| Well addr: | E THIRD | | |
| Well depth: | 51 | | |
| Well type: | Other | | |
| Wssn: | 0 | | |
| Well num: | Not Reported | Driller id: | 0 |
| Const date: | 1965-10-22 00:00:00.000 | Case type: | Unknown |
| Case dia: | 0 | | |
| Case depth: | 16 | | |
| Screen frm: | 0 | | |
| Screen to: | 0 | | |
| Swl: | 10 | | |
| Test depth: | 0 | | |
| Test hours: | 0 | | |
| Test rate: | 0 | Test methd: | Unknown |
| Grouted: | 1 | Pmp cpcity: | 0 |
| Latitude: | 41.9063893548 | | |
| Longitude: | -83.38531012 | | |
| Methd coll: | Interpolation-Map | | |
| Elevation: | 580 | | |
| Elev methd: | Topographoc Map Interpolation | Depth flag: | Not Reported |
| Elev flag: | Not Reported | | |
| Swl flag: | Not Reported | | |
| Elev dem: | 584 | Elev dif: | 4 |
| Elev miv: | 580 | Aq code: | Rock Well |
| Aq flag: | Not Reported | Pct aq: | 0 |
| Pct aq d: | 0 | Pct aq r: | 0 |
| Pct maq: | 88 | Pct maq d: | 0 |
| Pct maq r: | 100 | Pct cm: | 12 |
| Pct cm d: | 100 | Pct cm r: | 0 |
| Pct pcm: | 0 | Pct pcm d: | 0 |
| Pct pcm r: | 0 | Pct na: | 0 |
| Pct na d: | 0 | Pct na r: | 0 |
| Pct flag: | Not Reported | Rock top: | 6 |
| D r type: | Not Reported | Spc cpcity: | 0 |
| A thicknes: | 0 | A pct aq: | 0 |
| A pct maq: | 0 | A pct pcm: | 0 |
| A pct cm: | 0 | A pct na: | 0 |
| A thickns2: | 0 | A pct aq2: | 0 |
| A pct maq2: | 0 | A pct pcm2: | 0 |
| A pct cm2: | 0 | A pct na2: | 0 |
| A hit swl: | F | A hit top: | T |
| A hit rock: | F | A sc lith1: | Not Reported |
| A sc lmod1: | Not Reported | A sc lmaq1: | Not Reported |
| A sc lpct1: | 0 | A sc lith2: | Not Reported |
| A sc lmod2: | Not Reported | A sc lmaq2: | Not Reported |
| A sc lpct2: | 0 | Pct aq 1: | 0 |
| Pct maq 1: | 0 | Pct cm 1: | 0 |
| Pct pcm 1: | 0 | Pct na 1: | 0 |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

| | | | |
|----------------|--------------|-------------|---|
| Pct aq 2: | 0 | Pct maq 2: | 0 |
| Pct cm 2: | 0 | Pct pcm 2: | 0 |
| Pct na 2: | 0 | Pct aq 3: | 0 |
| Pct maq 3: | 0 | Pct cm 3: | 0 |
| Pct pcm 3: | 0 | Pct na 3: | 0 |
| Pct aq 4: | 0 | Pct maq 4: | 0 |
| Pct cm 4: | 0 | Pct pcm 4: | 0 |
| Pct na 4: | 0 | Pct aq 5: | 0 |
| Pct maq 5: | 0 | Pct cm 5: | 0 |
| Pct pcm 5: | 0 | Pct na 5: | 0 |
| Pct aq 6: | 0 | Pct maq 6: | 0 |
| Pct cm 6: | 0 | Pct pcm 6: | 0 |
| Pct na 6: | 0 | Pct aq 7: | 0 |
| Pct maq 7: | 0 | Pct cm 7: | 0 |
| Pct pcm 7: | 0 | Pct na 7: | 0 |
| Pct aq 8: | 0 | Pct maq 8: | 0 |
| Pct cm 8: | 0 | Pct pcm 8: | 0 |
| Pct na 8: | 0 | Pct aq 9: | 0 |
| Pct maq 9: | 0 | Pct cm 9: | 0 |
| Pct pcm 9: | 0 | Pct na 9: | 0 |
| Pct aq 10: | 0 | Pct maq 10: | 0 |
| Pct cm 10: | 0 | Pct pcm 10: | 0 |
| Pct na 10: | 0 | Pct aq 11: | 0 |
| Pct maq 11: | 0 | Pct cm 11: | 0 |
| Pct pcm 11: | 0 | Pct na 11: | 0 |
| Pct aq 12: | 0 | Pct maq 12: | 0 |
| Pct cm 12: | 0 | Pct pcm 12: | 0 |
| Pct na 12: | 0 | Pct aq 13: | 0 |
| Pct maq 13: | 0 | Pct cm 13: | 0 |
| Pct pcm 13: | 0 | Pct na 13: | 0 |
| Within sec: | Y | Loc match: | Y |
| Aq code 1: | Not Reported | | |
| Hit swl: | Not Reported | | |
| Athk2: | 0 | | |
| Horiz Conduct: | 0 | | |
| Vert Conduct: | 0 | | |
| T2: | 0 | | |
| D50plek: | 0 | | |

**B8
NW
1/2 - 1 Mile
Higher**

MI WELLS MI20217942

| | | | |
|-------------|-------------------------|-------------|-------------|
| Wellid: | 58000002804 | Import id: | 58767932002 |
| County: | Monroe | Township: | Frenchtown |
| Town range: | 06S 09E | Section: | 32 |
| Owner name: | Not Reported | | |
| Well addr: | 530 HOLLYWOOD | | |
| Well depth: | 75 | | |
| Well type: | Heat pump | | |
| Wssn: | 0 | | |
| Well num: | Not Reported | Driller id: | 553 |
| Const date: | 1981-09-21 00:00:00.000 | Case type: | Unknown |
| Case dia: | 5 | | |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

| | | | |
|-------------|-------------------------------|-------------|--------------|
| Case depth: | 27 | | |
| Screen frm: | 0 | | |
| Screen to: | 0 | | |
| Swl: | 14 | | |
| Test depth: | 19 | | |
| Test hours: | 24 | | |
| Test rate: | 25 | Test methd: | Unknown |
| Grouted: | 1 | Pmp cpcity: | 0 |
| Latitude: | 41.9219507168 | | |
| Longitude: | -83.3873100626 | | |
| Methd coll: | Interpolation-Map | | |
| Elevation: | 590 | | |
| Elev methd: | Topographoc Map Interpolation | Depth flag: | Not Reported |
| Elev flag: | Not Reported | | |
| Swl flag: | Not Reported | | |
| Elev dem: | 594 | Elev dif: | 4 |
| Elev miv: | 590 | Aq code: | Rock Well |
| Aq flag: | Not Reported | Pct aq: | 3 |
| Pct aq d: | 0 | Pct aq r: | 3 |
| Pct maq: | 83 | Pct maq d: | 0 |
| Pct maq r: | 97 | Pct cm: | 11 |
| Pct cm d: | 73 | Pct cm r: | 0 |
| Pct pcm: | 0 | Pct pcm d: | 0 |
| Pct pcm r: | 0 | Pct na: | 4 |
| Pct na d: | 27 | Pct na r: | 0 |
| Pct flag: | Not Reported | Rock top: | 11 |
| D r type: | Not Reported | Spc cpcity: | 0 |
| A thicknes: | 0 | A pct aq: | 0 |
| A pct maq: | 0 | A pct pcm: | 0 |
| A pct cm: | 0 | A pct na: | 0 |
| A thickns2: | 0 | A pct aq2: | 0 |
| A pct maq2: | 0 | A pct pcm2: | 0 |
| A pct cm2: | 0 | A pct na2: | 0 |
| A hit swl: | F | A hit top: | T |
| A hit rock: | F | A sc lith1: | Not Reported |
| A sc lmod1: | Not Reported | A sc lmaq1: | Not Reported |
| A sc lpct1: | 0 | A sc lith2: | Not Reported |
| A sc lmod2: | Not Reported | A sc lmaq2: | Not Reported |
| A sc lpct2: | 0 | Pct aq 1: | 0 |
| Pct maq 1: | 0 | Pct cm 1: | 0 |
| Pct pcm 1: | 0 | Pct na 1: | 0 |
| Pct aq 2: | 0 | Pct maq 2: | 0 |
| Pct cm 2: | 0 | Pct pcm 2: | 0 |
| Pct na 2: | 0 | Pct aq 3: | 0 |
| Pct maq 3: | 0 | Pct cm 3: | 0 |
| Pct pcm 3: | 0 | Pct na 3: | 0 |
| Pct aq 4: | 0 | Pct maq 4: | 0 |
| Pct cm 4: | 0 | Pct pcm 4: | 0 |
| Pct na 4: | 0 | Pct aq 5: | 0 |
| Pct maq 5: | 0 | Pct cm 5: | 0 |
| Pct pcm 5: | 0 | Pct na 5: | 0 |
| Pct aq 6: | 0 | Pct maq 6: | 0 |
| Pct cm 6: | 0 | Pct pcm 6: | 0 |
| Pct na 6: | 0 | Pct aq 7: | 0 |
| Pct maq 7: | 0 | Pct cm 7: | 0 |
| Pct pcm 7: | 0 | Pct na 7: | 0 |
| Pct aq 8: | 0 | Pct maq 8: | 0 |
| Pct cm 8: | 0 | Pct pcm 8: | 0 |
| Pct na 8: | 0 | Pct aq 9: | 0 |
| Pct maq 9: | 0 | Pct cm 9: | 0 |
| Pct pcm 9: | 0 | Pct na 9: | 0 |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

| | | | |
|----------------|--------------|-------------|---|
| Pct aq 10: | 0 | Pct maq 10: | 0 |
| Pct cm 10: | 0 | Pct pcm 10: | 0 |
| Pct na 10: | 0 | Pct aq 11: | 0 |
| Pct maq 11: | 0 | Pct cm 11: | 0 |
| Pct pcm 11: | 0 | Pct na 11: | 0 |
| Pct aq 12: | 0 | Pct maq 12: | 0 |
| Pct cm 12: | 0 | Pct pcm 12: | 0 |
| Pct na 12: | 0 | Pct aq 13: | 0 |
| Pct maq 13: | 0 | Pct cm 13: | 0 |
| Pct pcm 13: | 0 | Pct na 13: | 0 |
| Within sec: | Y | Loc match: | Y |
| Aq code 1: | Not Reported | | |
| Hit swl: | Not Reported | | |
| Athk2: | 0 | | |
| Horiz Conduct: | 0 | | |
| Vert Conduct: | 0 | | |
| T2: | 0 | | |
| D50plek: | 0 | | |

**B9
NW
1/2 - 1 Mile
Higher**

MI WELLS MI20217941

| | | | |
|-------------|-------------------------------|-------------|--------------|
| Wellid: | 58000002803 | Import id: | 58767932001 |
| County: | Monroe | Township: | Frenchtown |
| Town range: | 06S 09E | Section: | 32 |
| Owner name: | Not Reported | | |
| Well addr: | 530 HOLLYWOOD | | |
| Well depth: | 83 | | |
| Well type: | Heat pump | | |
| Wssn: | 0 | | |
| Well num: | Not Reported | Driller id: | 53 |
| Const date: | 1981-09-26 00:00:00.000 | Case type: | Unknown |
| Case dia: | 5 | | |
| Case depth: | 29 | | |
| Screen frm: | 0 | | |
| Screen to: | 0 | | |
| Swl: | 14 | | |
| Test depth: | 19 | | |
| Test hours: | 24 | | |
| Test rate: | 25 | Test methd: | Unknown |
| Grouted: | 1 | Pmp cpcity: | 0 |
| Latitude: | 41.922163475 | | |
| Longitude: | -83.3871895426 | | |
| Methd coll: | Interpolation-Map | | |
| Elevation: | 590 | | |
| Elev methd: | Topographoc Map Interpolation | Depth flag: | Not Reported |
| Elev flag: | Not Reported | | |
| Swl flag: | Not Reported | | |
| Elev dem: | 594 | Elev dif: | 4 |
| Elev miv: | 590 | Aq code: | Rock Well |
| Aq flag: | Not Reported | Pct aq: | 2 |
| Pct aq d: | 0 | Pct aq r: | 3 |
| Pct maq: | 84 | Pct maq d: | 0 |
| Pct maq r: | 97 | Pct cm: | 12 |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

| | | | |
|----------------|--------------|-------------|--------------|
| Pct cm d: | 91 | Pct cm r: | 0 |
| Pct pcm: | 0 | Pct pcm d: | 0 |
| Pct pcm r: | 0 | Pct na: | 1 |
| Pct na d: | 9 | Pct na r: | 0 |
| Pct flag: | Not Reported | Rock top: | 11 |
| D r type: | Not Reported | Spc cpcity: | 0 |
| A thicknes: | 0 | A pct aq: | 0 |
| A pct maq: | 0 | A pct pcm: | 0 |
| A pct cm: | 0 | A pct na: | 0 |
| A thickns2: | 0 | A pct aq2: | 0 |
| A pct maq2: | 0 | A pct pcm2: | 0 |
| A pct cm2: | 0 | A pct na2: | 0 |
| A hit swl: | F | A hit top: | T |
| A hit rock: | F | A sc lith1: | Not Reported |
| A sc lmod1: | Not Reported | A sc lmaq1: | Not Reported |
| A sc lpct1: | 0 | A sc lith2: | Not Reported |
| A sc lmod2: | Not Reported | A sc lmaq2: | Not Reported |
| A sc lpct2: | 0 | Pct aq 1: | 0 |
| Pct maq 1: | 0 | Pct cm 1: | 0 |
| Pct pcm 1: | 0 | Pct na 1: | 0 |
| Pct aq 2: | 0 | Pct maq 2: | 0 |
| Pct cm 2: | 0 | Pct pcm 2: | 0 |
| Pct na 2: | 0 | Pct aq 3: | 0 |
| Pct maq 3: | 0 | Pct cm 3: | 0 |
| Pct pcm 3: | 0 | Pct na 3: | 0 |
| Pct aq 4: | 0 | Pct maq 4: | 0 |
| Pct cm 4: | 0 | Pct pcm 4: | 0 |
| Pct na 4: | 0 | Pct aq 5: | 0 |
| Pct maq 5: | 0 | Pct cm 5: | 0 |
| Pct pcm 5: | 0 | Pct na 5: | 0 |
| Pct aq 6: | 0 | Pct maq 6: | 0 |
| Pct cm 6: | 0 | Pct pcm 6: | 0 |
| Pct na 6: | 0 | Pct aq 7: | 0 |
| Pct maq 7: | 0 | Pct cm 7: | 0 |
| Pct pcm 7: | 0 | Pct na 7: | 0 |
| Pct aq 8: | 0 | Pct maq 8: | 0 |
| Pct cm 8: | 0 | Pct pcm 8: | 0 |
| Pct na 8: | 0 | Pct aq 9: | 0 |
| Pct maq 9: | 0 | Pct cm 9: | 0 |
| Pct pcm 9: | 0 | Pct na 9: | 0 |
| Pct aq 10: | 0 | Pct maq 10: | 0 |
| Pct cm 10: | 0 | Pct pcm 10: | 0 |
| Pct na 10: | 0 | Pct aq 11: | 0 |
| Pct maq 11: | 0 | Pct cm 11: | 0 |
| Pct pcm 11: | 0 | Pct na 11: | 0 |
| Pct aq 12: | 0 | Pct maq 12: | 0 |
| Pct cm 12: | 0 | Pct pcm 12: | 0 |
| Pct na 12: | 0 | Pct aq 13: | 0 |
| Pct maq 13: | 0 | Pct cm 13: | 0 |
| Pct pcm 13: | 0 | Pct na 13: | 0 |
| Within sec: | Y | Loc match: | Y |
| Aq code 1: | Not Reported | | |
| Hit swl: | Not Reported | | |
| Athk2: | 0 | | |
| Horiz Conduct: | 0 | | |
| Vert Conduct: | 0 | | |
| T2: | 0 | | |
| D50plek: | 0 | | |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

RADON

AREA RADON INFORMATION

State Database: MI Radon

Radon Test Results

| Zipcode | Test Date | LT Sign | Result |
|---------|------------|---------|--------|
| 48162 | 11/16/2006 | | 1.3 |
| 48162 | 2/26/2007 | | 1.3 |
| 48162 | 11/14/2007 | | 1.3 |
| 48162 | 4/21/2008 | | 1.3 |
| 48162 | 2/25/2002 | | 1.3 |
| 48162 | 11/9/2001 | | 1.3 |
| 48162 | 3/28/2002 | | 1.3 |
| 48162 | 3/1/2003 | | 1.3 |
| 48162 | 10/5/2001 | | 1.3 |
| 48162 | 2/26/2004 | | 1.3 |
| 48162 | 5/16/2005 | | 1.3 |
| 48162 | 3/9/2002 | | 1.2 |
| 48162 | 11/5/2001 | | 1.2 |
| 48162 | 10/27/2001 | | 1.2 |
| 48162 | 3/27/2000 | | 1.3 |
| 48162 | 4/29/2000 | | 1.3 |
| 48162 | 5/1/2000 | | 1.3 |
| 48162 | 3/23/2000 | | 1.3 |
| 48162 | 10/19/2009 | | 1.3 |
| 48162 | 2/25/2008 | | 1.2 |
| 48162 | 1/16/2008 | | 1.2 |
| 48162 | 11/3/2008 | | 1.2 |
| 48162 | 5/8/2000 | | 1.2 |
| 48162 | 4/29/2000 | | 1.2 |
| 48162 | 4/24/2000 | | 1.2 |
| 48162 | 4/8/2000 | | 1.2 |
| 48162 | 3/18/2000 | | 1.2 |
| 48162 | 3/27/2003 | | 1.2 |
| 48162 | 2/15/2002 | | 1.2 |
| 48162 | 3/1/2005 | | 1.2 |
| 48162 | 2/28/2005 | | 1.2 |
| 48162 | 4/18/2005 | | 1.2 |
| 48162 | 2/17/2005 | | 1.2 |
| 48162 | 11/16/2006 | | 1.2 |
| 48162 | 4/6/2006 | | 1.2 |
| 48162 | 2/1/2008 | | 1.2 |
| 48162 | 2/27/1999 | | 1.1 |
| 48162 | 11/29/2002 | | 1.1 |
| 48162 | 11/19/2003 | | 1.1 |
| 48162 | 2/3/2003 | | 1.1 |
| 48162 | 2/21/2003 | | 1.1 |
| 48162 | 3/20/2000 | | 1.1 |
| 48162 | 4/25/2000 | | 1.1 |
| 48162 | 2/9/2000 | | 1.1 |
| 48162 | 4/21/2000 | | 1.1 |
| 48162 | 3/23/2000 | | 1.1 |
| 48162 | | | |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

RADON

AREA RADON INFORMATION

| | | | |
|-------|------------|---|-----|
| | 3/31/2000 | | 1.1 |
| 48162 | 3/27/2000 | | 1.1 |
| 48162 | 3/21/2000 | | 1.1 |
| 48162 | 4/26/2000 | | 1.1 |
| 48162 | 4/4/2000 | | 1.1 |
| 48162 | 1/8/2004 | | 1.1 |
| 48162 | 3/8/2005 | | 1.1 |
| 48162 | 3/14/2006 | | 1.1 |
| 48162 | 3/11/2008 | | 1.1 |
| 48162 | 10/12/2007 | | 1.1 |
| 48162 | 10/30/2008 | | 1.1 |
| 48162 | 2/16/2008 | | 1.1 |
| 48162 | 11/9/2001 | | 1.0 |
| 48162 | 3/16/2002 | | 1.0 |
| 48162 | 2/28/2002 | | 1.0 |
| 48162 | 1/5/2002 | | 1.0 |
| 48162 | 3/14/2003 | | 1.0 |
| 48162 | 12/10/2003 | | 1.0 |
| 48162 | 1/12/2004 | | 1.9 |
| 48162 | 2/28/2005 | | 1.9 |
| 48162 | 2/28/2005 | | 1.9 |
| 48162 | 2/27/1999 | | 1.9 |
| 48162 | 10/24/2003 | | 1.9 |
| 48162 | 12/23/2003 | | 1.9 |
| 48162 | 2/5/2003 | | 1.9 |
| 48162 | 11/12/2002 | | 1.9 |
| 48162 | 12/4/2000 | | 1.0 |
| 48162 | 4/8/2000 | | 1.0 |
| 48162 | 10/25/2000 | | 1.0 |
| 48162 | 3/25/2000 | | 1.0 |
| 48162 | 4/4/2009 | | 1.0 |
| 48162 | 1/15/2010 | | 1.0 |
| 48162 | 4/7/2006 | | 1.0 |
| 48162 | 4/10/2008 | | 1.0 |
| 48162 | 8/29/2007 | | 1.0 |
| 48162 | 3/5/1999 | | 1.8 |
| 48162 | 2/19/2003 | | 1.8 |
| 48162 | 12/22/2003 | | 1.8 |
| 48162 | 2/27/2003 | | 1.8 |
| 48162 | 12/16/2006 | | 1.9 |
| 48162 | 5/1/2007 | | 1.9 |
| 48162 | 3/20/2007 | | 1.9 |
| 48162 | 4/7/2000 | | 1.9 |
| 48162 | 3/30/2001 | | 1.9 |
| 48162 | 3/18/2000 | | 1.9 |
| 48162 | 4/15/2000 | | 1.9 |
| 48162 | 3/20/2000 | | 1.9 |
| 48162 | 3/23/2000 | | 1.9 |
| 48162 | 1/11/2010 | | 1.9 |
| 48162 | 3/27/2006 | < | 0.3 |
| 48162 | 1/2/2007 | < | 0.3 |
| 48162 | 3/16/2006 | < | 0.3 |
| 48162 | 3/14/2008 | < | 0.3 |
| 48162 | 2/14/2008 | < | 0.3 |
| 48162 | 4/14/2008 | < | 0.3 |
| 48162 | 12/12/2003 | < | 0.3 |
| 48162 | | | |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

RADON

AREA RADON INFORMATION

| | | | |
|-------|------------|---|-----|
| | 2/13/2007 | < | 0.3 |
| 48162 | 2/8/2002 | | 0.5 |
| 48162 | 3/18/2003 | | 0.5 |
| 48162 | 3/12/2002 | | 0.5 |
| 48162 | 2/21/2005 | | 0.5 |
| 48162 | 2/20/2004 | | 0.5 |
| 48162 | 3/11/2005 | | 0.5 |
| 48162 | 6/20/2005 | | 0.5 |
| 48162 | 3/12/2005 | | 0.5 |
| 48162 | 1/28/2006 | | 0.5 |
| 48162 | 3/16/1999 | < | 0.3 |
| 48162 | 3/2/1999 | < | 0.3 |
| 48162 | 2/17/2005 | < | 0.3 |
| 48162 | 11/3/2006 | | 0.5 |
| 48162 | 10/25/2001 | < | 0.3 |
| 48162 | 11/20/2003 | < | 0.3 |
| 48162 | 3/1/2005 | < | 0.3 |
| 48162 | 1/31/2008 | | 0.5 |
| 48162 | 12/2/2003 | < | 0.3 |
| 48162 | 10/29/2001 | < | 0.3 |
| 48162 | 10/29/2001 | < | 0.3 |
| 48162 | 10/29/2001 | < | 0.3 |
| 48162 | 11/22/2003 | < | 0.3 |
| 48162 | 3/13/2006 | < | 0.3 |
| 48162 | 3/27/2006 | < | 0.3 |
| 48162 | 5/1/2001 | | 0.5 |
| 48162 | 8/22/2002 | < | 0.3 |
| 48162 | 10/4/2004 | < | 0.3 |
| 48162 | 3/18/2000 | | 0.5 |
| 48162 | 3/23/2000 | | 0.5 |
| 48162 | 4/18/2000 | | 0.5 |
| 48162 | 2/15/2003 | < | 0.3 |
| 48162 | 2/11/2003 | < | 0.3 |
| 48162 | 3/14/2005 | < | 0.3 |
| 48162 | 3/18/2005 | < | 0.3 |
| 48162 | 2/16/2004 | < | 0.3 |
| 48162 | 11/12/2001 | | 0.4 |
| 48162 | 1/31/2003 | < | 0.3 |
| 48162 | 1/31/2003 | < | 0.3 |
| 48162 | 2/12/2002 | < | 0.3 |
| 48162 | 2/22/2002 | < | 0.3 |
| 48162 | 3/5/2005 | < | 0.3 |
| 48162 | 3/29/2005 | < | 0.3 |
| 48162 | 2/13/2004 | < | 0.3 |
| 48162 | 2/14/2004 | < | 0.3 |
| 48162 | 12/17/2007 | < | 0.3 |
| 48162 | 6/21/2003 | < | 0.3 |
| 48162 | 4/12/2002 | < | 0.3 |
| 48162 | 12/8/2006 | < | 0.3 |
| 48162 | 1/26/2007 | < | 0.3 |
| 48162 | 1/19/2007 | < | 0.3 |
| 48162 | 11/14/2007 | < | 0.3 |
| 48162 | 4/23/2002 | | 0.7 |
| 48162 | 1/15/2010 | | 1.0 |
| 48162 | 2/8/1999 | | 0.9 |
| 48162 | 7/24/2003 | | 0.8 |
| 48162 | | | |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

RADON

AREA RADON INFORMATION

| | | |
|-------|------------|-----|
| | 12/3/2003 | 0.8 |
| 48162 | 4/2/2003 | 0.7 |
| 48162 | 4/26/2004 | 0.7 |
| 48162 | 2/25/2005 | 0.6 |
| 48162 | 2/25/2005 | 0.6 |
| 48162 | 12/20/2003 | 0.6 |
| 48162 | 11/17/2003 | 0.8 |
| 48162 | 4/8/2003 | 0.8 |
| 48162 | 12/22/2003 | 0.7 |
| 48162 | 3/18/2005 | 0.7 |
| 48162 | 2/17/2005 | 0.7 |
| 48162 | 2/28/2005 | 0.7 |
| 48162 | 5/2/2005 | 0.8 |
| 48162 | 11/12/2001 | 0.9 |
| 48162 | 4/29/2005 | 0.6 |
| 48162 | 2/22/2005 | 0.6 |
| 48162 | 4/11/2005 | 0.8 |
| 48162 | 2/1/2005 | 0.8 |
| 48162 | 10/31/2001 | 0.9 |
| 48162 | 3/14/2006 | 0.6 |
| 48162 | 3/11/2006 | 0.8 |
| 48162 | 1/28/2008 | 0.7 |
| 48162 | 2/2/2008 | 0.7 |
| 48162 | 2/1/2008 | 0.7 |
| 48162 | 1/22/2008 | 0.7 |
| 48162 | 2/18/2005 | 0.9 |
| 48162 | 2/1/2008 | 0.6 |
| 48162 | 2/24/2004 | 0.9 |
| 48162 | 1/29/2008 | 0.8 |
| 48162 | 2/19/2008 | 0.8 |
| 48162 | 9/4/2007 | 0.7 |
| 48162 | 2/19/2007 | 0.9 |
| 48162 | 3/29/2000 | 0.6 |
| 48162 | 3/20/2000 | 0.6 |
| 48162 | 10/26/2000 | 0.7 |
| 48162 | 3/17/2000 | 0.7 |
| 48162 | 5/16/2000 | 0.7 |
| 48162 | 5/8/2000 | 0.7 |
| 48162 | 3/18/2000 | 0.7 |
| 48162 | 3/17/2000 | 0.7 |
| 48162 | 5/23/2000 | 0.6 |
| 48162 | 5/8/2000 | 0.6 |
| 48162 | 3/25/2000 | 0.6 |
| 48162 | 3/16/2001 | 0.8 |
| 48162 | 4/2/2001 | 0.8 |
| 48162 | 3/23/2000 | 0.7 |
| 48162 | 3/19/2001 | 0.7 |
| 48162 | 6/8/2007 | 0.9 |
| 48162 | 3/29/2000 | 0.6 |
| 48162 | 2/7/2001 | 0.6 |
| 48162 | 3/17/2000 | 0.8 |
| 48162 | 4/9/1999 | 0.8 |
| 48162 | 5/12/2000 | 0.8 |
| 48162 | 11/2/2000 | 0.8 |
| 48162 | 1/24/2008 | 0.9 |
| 48162 | 1/24/2008 | 0.9 |
| 48162 | | |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

RADON

AREA RADON INFORMATION

| | | |
|-------|------------|-----|
| | 1/26/2008 | 0.9 |
| 48162 | 3/24/2009 | 0.6 |
| 48162 | 10/30/2009 | 0.7 |
| 48162 | 4/4/2000 | 0.9 |
| 48162 | 4/11/2000 | 0.9 |
| 48162 | 2/27/1999 | 0.6 |
| 48162 | 3/23/2000 | 0.9 |
| 48162 | 3/31/2000 | 0.9 |
| 48162 | 3/13/1999 | 0.7 |
| 48162 | 3/16/1999 | 0.6 |
| 48162 | 2/28/2003 | 0.6 |
| 48162 | 11/14/2002 | 0.6 |
| 48162 | 2/21/2002 | 0.6 |
| 48162 | 7/6/2009 | 0.9 |
| 48162 | 7/3/2008 | 1.8 |
| 48162 | 3/5/2008 | 1.8 |
| 48162 | 3/18/2000 | 1.8 |
| 48162 | 3/20/2000 | 1.8 |
| 48162 | 3/27/2000 | 1.8 |
| 48162 | 5/2/2000 | 1.8 |
| 48162 | 4/4/2000 | 1.8 |
| 48162 | 4/7/2000 | 1.8 |
| 48162 | 5/22/2009 | 1.8 |
| 48162 | 10/30/2008 | 1.8 |
| 48162 | 11/19/2007 | 1.8 |
| 48162 | 10/20/2006 | 2.9 |
| 48162 | 10/25/2006 | 2.9 |
| 48162 | 4/10/2000 | 2.8 |
| 48162 | 4/27/2000 | 2.8 |
| 48162 | 3/17/2000 | 2.8 |
| 48162 | 11/20/2000 | 2.8 |
| 48162 | 5/9/2000 | 2.8 |
| 48162 | 9/14/2009 | 2.7 |
| 48162 | 12/1/2007 | 2.9 |
| 48162 | 5/23/2000 | 2.9 |
| 48162 | 11/12/2009 | 2.8 |
| 48162 | 9/12/2009 | 2.8 |
| 48162 | 9/12/2009 | 2.8 |
| 48162 | 9/6/2006 | 2.5 |
| 48162 | 4/3/2008 | 2.5 |
| 48162 | 3/4/1999 | 2.5 |
| 48162 | 10/24/2001 | 2.5 |
| 48162 | 11/7/2002 | 2.5 |
| 48162 | 3/1/2001 | 2.5 |
| 48162 | 3/30/2000 | 2.5 |
| 48162 | 3/23/2000 | 2.5 |
| 48162 | 3/20/2000 | 2.5 |
| 48162 | 3/17/2000 | 2.5 |
| 48162 | 3/8/1999 | 2.4 |
| 48162 | 2/24/2003 | 2.4 |
| 48162 | 3/28/2002 | 2.4 |
| 48162 | 12/14/2002 | 2.4 |
| 48162 | 2/18/2005 | 2.4 |
| 48162 | 3/10/2006 | 2.4 |
| 48162 | 1/8/2007 | 2.4 |
| 48162 | 11/1/2000 | 2.4 |
| 48162 | | |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

RADON

AREA RADON INFORMATION

| | | |
|-------|------------|-----|
| | 3/15/2001 | 2.4 |
| 48162 | 4/25/2000 | 2.4 |
| 48162 | 4/10/2000 | 2.4 |
| 48162 | 3/23/2000 | 2.4 |
| 48162 | 4/15/2000 | 2.4 |
| 48162 | 3/9/2007 | 2.3 |
| 48162 | 5/8/2006 | 2.2 |
| 48162 | 4/3/2006 | 2.2 |
| 48162 | 3/27/2000 | 2.3 |
| 48162 | 3/20/2000 | 2.3 |
| 48162 | 3/28/2000 | 2.3 |
| 48162 | 4/29/2000 | 2.3 |
| 48162 | 6/2/2007 | 2.2 |
| 48162 | 9/13/2008 | 2.2 |
| 48162 | 12/1/2001 | 2.3 |
| 48162 | 2/17/2009 | 2.3 |
| 48162 | 3/27/2000 | 2.2 |
| 48162 | 3/20/2000 | 2.2 |
| 48162 | 3/25/2000 | 2.2 |
| 48162 | 1/20/2009 | 2.3 |
| 48162 | 3/26/2001 | 2.2 |
| 48162 | 3/28/2000 | 2.2 |
| 48162 | 3/28/2000 | 2.2 |
| 48162 | 12/2/2002 | 2.3 |
| 48162 | 2/18/2003 | 2.3 |
| 48162 | 8/23/2002 | 2.2 |
| 48162 | 1/30/2009 | 2.2 |
| 48162 | 12/2/2005 | 2.3 |
| 48162 | 1/29/2003 | 2.2 |
| 48162 | 10/29/2001 | 2.2 |
| 48162 | 11/14/2002 | 2.2 |
| 48162 | 11/18/2002 | 2.2 |
| 48162 | 4/5/2005 | 2.2 |
| 48162 | 5/10/2002 | 2.1 |
| 48162 | 10/24/2001 | 2.1 |
| 48162 | 11/19/2001 | 2.1 |
| 48162 | 5/22/2007 | 3.0 |
| 48162 | 9/9/2006 | 3.0 |
| 48162 | 3/2/2007 | 3.0 |
| 48162 | 3/28/2003 | 2.7 |
| 48162 | 10/24/2001 | 2.7 |
| 48162 | 11/7/2001 | 2.7 |
| 48162 | 11/1/2001 | 2.7 |
| 48162 | 11/20/2003 | 2.6 |
| 48162 | 5/27/2002 | 2.6 |
| 48162 | 2/9/2002 | 2.6 |
| 48162 | 11/20/2002 | 2.6 |
| 48162 | 10/6/2008 | 3.0 |
| 48162 | 10/20/2008 | 3.0 |
| 48162 | 7/24/2001 | 3.0 |
| 48162 | 7/27/2000 | 3.0 |
| 48162 | 8/24/2002 | 2.7 |
| 48162 | 5/4/2005 | 2.7 |
| 48162 | 2/6/2004 | 2.7 |
| 48162 | 3/17/2000 | 3.0 |
| 48162 | 3/20/2000 | 3.0 |
| 48162 | | |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

RADON

AREA RADON INFORMATION

| | | | |
|-------|------------|---|-----|
| | 11/16/2009 | | 3.0 |
| 48162 | 10/2/2009 | | 3.0 |
| 48162 | 3/22/2003 | | 2.8 |
| 48162 | 2/18/2005 | | 2.7 |
| 48162 | 5/22/2004 | | 2.8 |
| 48162 | 4/1/2005 | | 2.8 |
| 48162 | 1/22/2008 | | 2.7 |
| 48162 | 5/25/2007 | | 2.7 |
| 48162 | 1/3/2008 | | 2.6 |
| 48162 | 4/17/2000 | | 2.6 |
| 48162 | 12/14/2001 | | 2.9 |
| 48162 | 1/31/2003 | | 2.9 |
| 48162 | 3/3/2003 | | 2.9 |
| 48162 | 11/15/2001 | | 2.9 |
| 48162 | 1/19/2006 | | 2.8 |
| 48162 | 3/27/2000 | | 2.7 |
| 48162 | 4/7/2000 | | 2.6 |
| 48162 | 4/24/2000 | | 2.6 |
| 48162 | 3/23/2000 | | 2.6 |
| 48162 | 2/24/2004 | | 2.9 |
| 48162 | 3/20/2000 | | 2.8 |
| 48162 | 4/7/2000 | | 2.8 |
| 48162 | 11/2/2002 | | 3.6 |
| 48162 | 1/19/2004 | | 3.6 |
| 48162 | 2/15/2008 | < | 0.3 |
| 48162 | 6/16/2007 | < | 0.3 |
| 48162 | 3/18/2000 | | 3.6 |
| 48162 | 3/25/2000 | | 3.8 |
| 48162 | 12/26/2000 | | 3.8 |
| 48162 | 3/27/2000 | | 3.8 |
| 48162 | 4/4/2000 | | 3.8 |
| 48162 | 11/7/2008 | | 3.8 |
| 48162 | 3/20/2000 | | 3.6 |
| 48162 | 3/18/2000 | | 3.6 |
| 48162 | 3/16/2001 | | 3.6 |
| 48162 | 12/5/2000 | | 3.6 |
| 48162 | 3/28/2003 | | 3.5 |
| 48162 | 6/2/2003 | | 3.5 |
| 48162 | 3/24/2003 | | 3.5 |
| 48162 | 2/26/2002 | | 3.5 |
| 48162 | 2/21/2005 | | 3.5 |
| 48162 | 2/18/2004 | | 3.5 |
| 48162 | 3/27/2006 | | 3.5 |
| 48162 | 8/29/2007 | | 3.5 |
| 48162 | 3/19/2001 | | 3.5 |
| 48162 | 3/23/2000 | < | 0.3 |
| 48162 | 3/30/2000 | < | 0.3 |
| 48162 | 3/23/2000 | < | 0.3 |
| 48162 | 6/26/2000 | < | 0.3 |
| 48162 | 6/9/2000 | < | 0.3 |
| 48162 | 3/28/2000 | < | 0.3 |
| 48162 | 2/11/2003 | | 3.4 |
| 48162 | 11/24/2001 | | 3.4 |
| 48162 | 12/24/2001 | | 3.4 |
| 48162 | 2/12/2002 | | 3.4 |
| 48162 | 3/7/2005 | | 3.4 |
| 48162 | | | |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

RADON

AREA RADON INFORMATION

| | | | |
|-------|------------|---|-----|
| | 4/17/2006 | | 3.4 |
| 48162 | 3/23/2000 | < | 0.3 |
| 48162 | 3/20/2000 | < | 0.3 |
| 48162 | 3/21/2000 | < | 0.3 |
| 48162 | 11/28/2000 | < | 0.3 |
| 48162 | 10/31/2009 | | 3.4 |
| 48162 | 4/13/2009 | | 3.4 |
| 48162 | 11/5/2001 | | 3.2 |
| 48162 | 2/24/2003 | | 3.2 |
| 48162 | 9/8/2006 | | 3.1 |
| 48162 | 5/2/2000 | < | 0.3 |
| 48162 | 4/15/2000 | < | 0.3 |
| 48162 | 2/17/2005 | | 3.2 |
| 48162 | 11/21/2006 | | 3.2 |
| 48162 | 4/9/2007 | | 3.1 |
| 48162 | 3/29/2000 | | 3.1 |
| 48162 | 5/20/2000 | | 3.1 |
| 48162 | 11/5/2001 | | 3.3 |
| 48162 | 4/4/2003 | | 3.3 |
| 48162 | 4/24/2000 | | 3.1 |
| 48162 | 10/27/2001 | | 3.3 |
| 48162 | 2/10/2003 | | 3.3 |
| 48162 | 4/8/2002 | | 3.3 |
| 48162 | 2/7/2003 | | 3.3 |
| 48162 | 2/17/2003 | | 3.3 |
| 48162 | 11/19/2003 | | 3.3 |
| 48162 | 3/5/2005 | | 3.3 |
| 48162 | 10/10/2006 | | 3.2 |
| 48162 | 3/26/2007 | | 3.2 |
| 48162 | 3/25/2008 | | 3.2 |
| 48162 | 4/19/2000 | | 3.2 |
| 48162 | 3/18/2000 | | 3.2 |
| 48162 | 11/12/2009 | | 3.1 |
| 48162 | 1/25/2010 | | 3.1 |
| 48162 | 12/1/2008 | < | 0.3 |
| 48162 | 11/4/2009 | | 3.2 |
| 48162 | 12/10/2003 | | 3.0 |
| 48162 | 6/8/2007 | | 3.3 |
| 48162 | 4/26/2008 | | 3.3 |
| 48162 | 3/31/2000 | | 3.3 |
| 48162 | 3/17/2000 | | 3.3 |
| 48162 | 2/27/1999 | | 3.9 |
| 48162 | 10/29/2001 | | 3.9 |
| 48162 | 2/12/2003 | | 3.7 |
| 48162 | 3/19/2003 | | 3.1 |
| 48162 | 4/28/2003 | | 3.1 |
| 48162 | 2/13/2003 | | 3.1 |
| 48162 | 6/11/2009 | < | 0.3 |
| 48162 | 3/12/2005 | | 3.9 |
| 48162 | 7/17/2007 | | 3.9 |
| 48162 | 10/31/2000 | | 3.9 |
| 48162 | 3/6/2006 | | 3.7 |
| 48162 | 3/31/2000 | | 3.3 |
| 48162 | 4/24/2000 | | 3.3 |
| 48162 | 11/7/2009 | < | 0.3 |
| 48162 | 12/22/2008 | | 3.9 |
| 48162 | | | |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

RADON

AREA RADON INFORMATION

| | | |
|-------|------------|-----|
| | 10/31/2008 | 3.7 |
| 48162 | 3/18/2000 | 3.7 |
| 48162 | 3/17/2000 | 3.7 |
| 48162 | 3/28/2000 | 3.7 |
| 48162 | 2/20/1999 | 3.8 |
| 48162 | 12/7/2009 | 3.7 |
| 48162 | 4/9/2007 | 3.4 |
| 48162 | 1/22/2008 | 3.4 |
| 48162 | 7/29/2000 | 3.4 |
| 48162 | 2/28/2003 | 3.8 |
| 48162 | 3/8/1999 | 3.6 |
| 48162 | 10/25/2001 | 3.6 |
| 48162 | 12/9/2002 | 3.6 |
| 48162 | 3/15/2008 | 1.7 |
| 48162 | 1/18/2008 | 1.7 |
| 48162 | 4/29/2000 | 1.7 |
| 48162 | 4/19/2001 | 1.7 |
| 48162 | 4/3/2000 | 1.7 |
| 48162 | 3/31/2000 | 1.7 |
| 48162 | 4/4/2000 | 1.7 |
| 48162 | 3/31/2000 | 1.7 |
| 48162 | 4/12/1999 | 1.7 |
| 48162 | 6/9/2000 | 1.7 |
| 48162 | 3/20/2000 | 1.7 |
| 48162 | 4/1/2000 | 1.7 |
| 48162 | 4/10/2000 | 1.7 |
| 48162 | 2/27/2002 | 1.7 |
| 48162 | 11/29/2002 | 1.7 |
| 48162 | 2/25/2005 | 1.7 |
| 48162 | 2/22/2005 | 1.7 |
| 48162 | 11/12/2007 | 6.9 |
| 48162 | 11/9/2002 | 6.8 |
| 48162 | 3/20/2000 | 7.6 |
| 48162 | 5/12/2000 | 7.6 |
| 48162 | 4/28/2008 | 7.2 |
| 48162 | 11/13/2000 | 7.2 |
| 48162 | 11/27/2000 | 7.2 |
| 48162 | 12/23/2006 | 6.8 |
| 48162 | 11/3/2007 | 6.8 |
| 48162 | 11/15/2002 | 6.5 |
| 48162 | 2/7/2003 | 6.5 |
| 48162 | 11/18/2002 | 6.5 |
| 48162 | 12/23/2006 | 6.5 |
| 48162 | 3/31/2000 | 6.5 |
| 48162 | 11/10/2009 | 6.5 |
| 48162 | 11/9/2006 | 6.4 |
| 48162 | 3/11/2008 | 6.4 |
| 48162 | 4/25/2000 | 6.4 |
| 48162 | 3/27/2000 | 6.3 |
| 48162 | 11/16/2002 | 6.2 |
| 48162 | 11/22/2002 | 6.2 |
| 48162 | 11/1/2001 | 6.2 |
| 48162 | 11/10/2009 | 6.2 |
| 48162 | 1/8/2004 | 6.1 |
| 48162 | 4/21/2005 | 4.9 |
| 48162 | 12/2/2002 | 6.0 |
| 48162 | | |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

RADON

AREA RADON INFORMATION

| | | |
|-------|------------|-----|
| | 10/2/2004 | 6.0 |
| 48162 | 5/1/2000 | 5.6 |
| 48162 | 1/23/2010 | 5.6 |
| 48162 | 12/12/2006 | 5.2 |
| 48162 | 11/9/2007 | 5.2 |
| 48162 | 12/20/2003 | 4.6 |
| 48162 | 3/6/2006 | 4.6 |
| 48162 | 3/28/2000 | 6.0 |
| 48162 | 10/29/2001 | 5.5 |
| 48162 | 2/26/2003 | 5.5 |
| 48162 | 11/21/2002 | 5.5 |
| 48162 | 3/18/2000 | 5.2 |
| 48162 | 3/17/2000 | 5.2 |
| 48162 | 10/27/2000 | 5.2 |
| 48162 | 3/27/2000 | 5.2 |
| 48162 | 4/14/2000 | 4.9 |
| 48162 | 3/20/2000 | 4.9 |
| 48162 | 3/31/2000 | 4.9 |
| 48162 | 11/6/2002 | 5.9 |
| 48162 | 3/10/2006 | 5.9 |
| 48162 | 3/27/2000 | 5.5 |
| 48162 | 6/2/2007 | 5.9 |
| 48162 | 4/7/2000 | 5.9 |
| 48162 | 10/30/2009 | 5.9 |
| 48162 | 4/25/2000 | 5.1 |
| 48162 | 4/14/2000 | 5.1 |
| 48162 | 3/27/2006 | 4.7 |
| 48162 | 3/11/2005 | 5.8 |
| 48162 | 3/25/2009 | 5.1 |
| 48162 | 12/1/2003 | 5.0 |
| 48162 | 12/26/2003 | 4.8 |
| 48162 | 11/12/2008 | 5.8 |
| 48162 | 11/10/2009 | 5.4 |
| 48162 | 6/19/2006 | 5.0 |
| 48162 | 1/12/2010 | 4.7 |
| 48162 | 11/4/2002 | 4.6 |
| 48162 | 11/17/2003 | 5.7 |
| 48162 | 11/20/2002 | 5.7 |
| 48162 | 11/18/2003 | 5.3 |
| 48162 | 3/6/2003 | 5.3 |
| 48162 | 4/6/2001 | 5.0 |
| 48162 | 1/26/2010 | 5.0 |
| 48162 | 11/2/2007 | 4.7 |
| 48162 | 3/16/2000 | 4.7 |
| 48162 | 3/20/2000 | 4.7 |
| 48162 | 3/21/2000 | 4.7 |
| 48162 | 4/21/2000 | 4.7 |
| 48162 | 4/7/2000 | 4.7 |
| 48162 | 4/7/2000 | 5.7 |
| 48162 | 6/7/2000 | 5.7 |
| 48162 | 1/14/2010 | 5.7 |
| 48162 | 4/13/2000 | 5.3 |
| 48162 | 3/30/2000 | 5.3 |
| 48162 | 12/5/2002 | 5.6 |
| 48162 | 3/27/2000 | 8.0 |
| 48162 | 12/27/2002 | 7.9 |
| 48162 | | |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

RADON

AREA RADON INFORMATION

| | | |
|-------|------------|------|
| | 5/2/2000 | 7.9 |
| 48162 | 2/26/2007 | 7.0 |
| 48162 | 11/3/2008 | 7.0 |
| 48162 | 1/28/2008 | 7.0 |
| 48162 | 4/28/2000 | 7.0 |
| 48162 | 11/6/2000 | 7.0 |
| 48162 | 11/7/2008 | 7.0 |
| 48162 | 10/31/2002 | 7.3 |
| 48162 | 4/4/2000 | 7.3 |
| 48162 | 3/12/2003 | 6.9 |
| 48162 | 3/12/1999 | 2.0 |
| 48162 | 11/12/2001 | 2.0 |
| 48162 | 11/20/2000 | 18.3 |
| 48162 | 10/31/2000 | 18.1 |
| 48162 | 12/1/2003 | 2.0 |
| 48162 | 2/13/2003 | 2.0 |
| 48162 | 10/25/2001 | 2.0 |
| 48162 | 4/23/2002 | 2.0 |
| 48162 | 1/18/2003 | 2.0 |
| 48162 | 11/22/2003 | 2.0 |
| 48162 | 4/24/2000 | 43.2 |
| 48162 | 11/18/2002 | 23.3 |
| 48162 | 12/7/2002 | 22.1 |
| 48162 | 11/19/2002 | 17.5 |
| 48162 | 2/1/2003 | 15.7 |
| 48162 | 10/14/2004 | 14.0 |
| 48162 | 11/7/2003 | 13.6 |
| 48162 | 2/10/2003 | 13.2 |
| 48162 | 10/31/2002 | 13.0 |
| 48162 | 12/27/2002 | 12.9 |
| 48162 | 11/16/2002 | 12.8 |
| 48162 | 11/5/2001 | 12.8 |
| 48162 | 1/25/2010 | 12.5 |
| 48162 | 11/3/2008 | 8.9 |
| 48162 | 11/6/2002 | 12.3 |
| 48162 | 11/26/2002 | 12.1 |
| 48162 | 11/4/2006 | 11.1 |
| 48162 | 4/29/2000 | 11.0 |
| 48162 | 11/3/2000 | 10.1 |
| 48162 | 12/3/2002 | 10.0 |
| 48162 | 3/31/2000 | 8.1 |
| 48162 | 4/25/2000 | 12.0 |
| 48162 | 12/13/2001 | 11.9 |
| 48162 | 3/17/2000 | 10.8 |
| 48162 | 2/27/1999 | 10.7 |
| 48162 | 7/9/2007 | 10.0 |
| 48162 | 9/15/2000 | 10.0 |
| 48162 | 11/4/2006 | 11.8 |
| 48162 | 12/13/2001 | 11.6 |
| 48162 | 3/21/2005 | 8.4 |
| 48162 | 11/2/2009 | 11.6 |
| 48162 | 10/28/2004 | 11.5 |
| 48162 | 3/17/2000 | 11.5 |
| 48162 | 11/1/2002 | 11.4 |
| 48162 | 2/23/2004 | 11.4 |
| 48162 | 6/24/2008 | 10.5 |
| 48162 | | |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

RADON

AREA RADON INFORMATION

| | | |
|-------|------------|------|
| | 10/30/2001 | 8.3 |
| 48162 | 3/31/2000 | 11.2 |
| 48162 | 11/2/2009 | 11.2 |
| 48162 | 11/4/2002 | 10.3 |
| 48162 | 11/5/2002 | 10.2 |
| 48162 | 12/12/2003 | 10.2 |
| 48162 | 11/14/2002 | 9.5 |
| 48162 | 3/30/2000 | 9.5 |
| 48162 | 6/8/2000 | 9.5 |
| 48162 | 3/23/2002 | 2.1 |
| 48162 | 3/7/2003 | 8.1 |
| 48162 | 6/4/2007 | 8.1 |
| 48162 | 3/10/2006 | 2.1 |
| 48162 | 3/13/2006 | 2.0 |
| 48162 | 3/13/2006 | 2.0 |
| 48162 | 2/3/2003 | 8.2 |
| 48162 | 11/20/2006 | 8.2 |
| 48162 | 11/8/2006 | 2.1 |
| 48162 | 3/30/2006 | 2.1 |
| 48162 | 11/4/2006 | 2.0 |
| 48162 | 6/2/2007 | 2.0 |
| 48162 | 3/31/2000 | 9.1 |
| 48162 | 3/22/2000 | 8.6 |
| 48162 | 1/25/2010 | 8.6 |
| 48162 | 4/17/2000 | 2.1 |
| 48162 | 9/15/2008 | 2.0 |
| 48162 | 10/1/2007 | 34.3 |
| 48162 | 3/30/2000 | 20.5 |
| 48162 | 4/28/2000 | 2.1 |
| 48162 | 3/23/2000 | 2.1 |
| 48162 | 3/29/2000 | 2.0 |
| 48162 | 3/27/2000 | 2.0 |
| 48162 | 3/28/2001 | 2.0 |
| 48162 | 7/27/2000 | 2.0 |
| 48162 | 10/31/2002 | 33.0 |
| 48162 | 10/20/2007 | 31.5 |
| 48162 | 3/25/2000 | 19.9 |
| 48162 | 11/24/2007 | 19.6 |
| 48162 | 10/30/2009 | 2.0 |
| 48162 | 8/17/2009 | 2.0 |
| 48162 | 7/21/2007 | 18.6 |
| 48162 | 12/7/2009 | 2.1 |
| 48162 | 12/8/2001 | 1.6 |
| 48162 | 11/20/2003 | 1.6 |
| 48162 | 2/10/2003 | 1.6 |
| 48162 | 10/29/2001 | 1.6 |
| 48162 | 12/17/2001 | 1.6 |
| 48162 | 4/25/2005 | 1.6 |
| 48162 | 3/25/2000 | 1.7 |
| 48162 | 10/30/2000 | 1.7 |
| 48162 | 3/20/2000 | 1.7 |
| 48162 | 11/19/2008 | 1.7 |
| 48162 | 1/29/2010 | 1.7 |
| 48162 | 11/9/2009 | 1.7 |
| 48162 | 3/21/2000 | 4.2 |
| 48162 | 3/25/2000 | 4.2 |
| 48162 | | |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

RADON

AREA RADON INFORMATION

| | | |
|-------|------------|-----|
| | 3/15/2003 | 4.0 |
| 48162 | 1/11/2002 | 4.0 |
| 48162 | 7/15/2005 | 4.0 |
| 48162 | 4/4/2000 | 4.3 |
| 48162 | 3/23/2000 | 4.3 |
| 48162 | 2/6/1999 | 4.1 |
| 48162 | 11/28/2001 | 4.1 |
| 48162 | 5/2/2005 | 4.0 |
| 48162 | 3/16/2006 | 4.0 |
| 48162 | 4/7/2006 | 4.0 |
| 48162 | 5/23/2000 | 4.0 |
| 48162 | 4/7/2000 | 4.0 |
| 48162 | 4/11/2008 | 4.6 |
| 48162 | 3/28/2000 | 4.6 |
| 48162 | 3/24/1999 | 4.2 |
| 48162 | 8/18/2005 | 4.1 |
| 48162 | 10/18/2004 | 4.1 |
| 48162 | 11/2/2009 | 4.6 |
| 48162 | 1/25/2010 | 4.6 |
| 48162 | 3/17/2000 | 4.4 |
| 48162 | 5/8/2000 | 4.4 |
| 48162 | 11/12/2009 | 4.4 |
| 48162 | 2/13/2003 | 4.2 |
| 48162 | 11/13/2002 | 4.2 |
| 48162 | 3/1/2005 | 4.2 |
| 48162 | 3/20/2006 | 4.5 |
| 48162 | 11/29/2002 | 4.3 |
| 48162 | 10/29/2004 | 4.3 |
| 48162 | 3/17/2000 | 4.2 |
| 48162 | 4/5/2000 | 4.1 |
| 48162 | 6/23/2000 | 4.1 |
| 48162 | 2/25/1999 | 4.0 |
| 48162 | 2/21/2003 | 1.5 |
| 48162 | 3/13/2006 | 1.6 |
| 48162 | 11/2/2006 | 1.6 |
| 48162 | 12/1/2007 | 1.6 |
| 48162 | 3/17/2000 | 1.6 |
| 48162 | 3/22/2000 | 1.6 |
| 48162 | 3/18/2000 | 1.6 |
| 48162 | 3/20/2000 | 1.6 |
| 48162 | 3/29/2000 | 1.6 |
| 48162 | 3/28/2000 | 1.6 |
| 48162 | 3/20/2000 | 1.6 |
| 48162 | 11/2/2006 | 1.5 |
| 48162 | 1/26/2007 | 1.5 |
| 48162 | 3/13/2008 | 1.5 |
| 48162 | 3/17/2000 | 1.5 |
| 48162 | 5/8/2000 | 1.5 |
| 48162 | 5/2/2000 | 1.5 |
| 48162 | 3/20/2000 | 1.5 |
| 48162 | 2/12/2002 | 1.5 |
| 48162 | 2/11/2003 | 1.5 |
| 48162 | 11/29/2002 | 1.5 |
| 48162 | 11/7/2002 | 1.5 |
| 48162 | 2/24/2003 | 1.5 |
| 48162 | 2/15/2002 | 1.5 |
| 48162 | | |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

RADON

AREA RADON INFORMATION

| | | |
|-------|------------|-----|
| | 3/4/2005 | 1.5 |
| 48162 | 12/7/2004 | 1.5 |
| 48162 | 4/8/2005 | 1.5 |
| 48162 | 3/1/2005 | 1.5 |
| 48162 | 3/23/2006 | 1.5 |
| 48162 | 2/1/2003 | 1.4 |
| 48162 | 12/3/2002 | 1.4 |
| 48162 | 3/18/2003 | 1.4 |
| 48162 | 2/8/2002 | 1.4 |
| 48162 | 1/28/2002 | 1.4 |
| 48162 | 2/24/2004 | 1.4 |
| 48162 | 1/23/2001 | 1.5 |
| 48162 | 3/23/2000 | 1.5 |
| 48162 | 11/29/2008 | 1.5 |
| 48162 | 11/9/2001 | 1.4 |
| 48162 | 11/26/2001 | 1.4 |
| 48162 | 2/8/1999 | 1.4 |
| 48162 | 11/13/2002 | 1.4 |
| 48162 | 2/21/2008 | 1.4 |
| 48162 | 12/6/2007 | 1.4 |
| 48162 | 4/10/2000 | 1.4 |
| 48162 | 6/8/2000 | 1.4 |
| 48162 | 4/5/2000 | 1.4 |
| 48162 | 3/20/2000 | 1.4 |
| 48162 | 3/21/2000 | 1.4 |
| 48162 | 7/27/2001 | 1.4 |
| 48162 | 4/25/2000 | 1.4 |
| 48162 | 3/21/2000 | 1.4 |
| 48162 | 4/25/2000 | 1.4 |
| 48162 | 3/20/2000 | 1.4 |
| 48162 | 4/20/2006 | 1.4 |
| 48162 | 3/20/2006 | 1.4 |
| 48162 | 2/26/2007 | 1.4 |
| 48162 | 6/4/2007 | 1.4 |
| 48162 | 11/9/2007 | 1.4 |
| 48162 | 1/22/2008 | 1.4 |

Federal EPA Radon Zone for MONROE County: 2

Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for MONROE COUNTY, MI

Number of sites tested: 14

| Area | Average Activity | % <4 pCi/L | % 4-20 pCi/L | % >20 pCi/L |
|-------------------------|------------------|--------------|--------------|--------------|
| Living Area - 1st Floor | 1.260 pCi/L | 100% | 0% | 0% |
| Living Area - 2nd Floor | Not Reported | Not Reported | Not Reported | Not Reported |
| Basement | 2.115 pCi/L | 100% | 0% | 0% |

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey

EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Scanned Digital USGS 7.5' Topographic Map (DRG)

Source: United States Geologic Survey

A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

HYDROLOGIC INFORMATION

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 2003 & 2011 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetlands Inventory

Source: Department of Natural Resources

Telephone: 517-241-2254

HYDROGEOLOGIC INFORMATION

AQUIFLOW^R Information System

Source: EDR proprietary database of groundwater flow information

EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit

Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Services

The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Services (NRCS)

Telephone: 800-672-5559

SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Services, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)

This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

Water Well Data

Source: Department of Environmental Quality

Telephone: 517-335-9218

OTHER STATE DATABASE INFORMATION

Michigan Oil and Gas Wells

Source: Department of Natural Resources and Environment

Locations of oil and gas wells are compiled from permit records on file at the Geological Survey Division (GSD), Michigan Department of Natural Resources.

RADON

State Database: MI Radon

Source: Department of Environmental Quality

Telephone: 517-335-9551

Radon Test Results

Michigan Radon Test Results

Source: Department of Environmental Quality

Telephone: 517-335-8037

These results are from test kits distributed by the local health departments and used by Michigan residents. There is no way of knowing whether the devices were used properly, whether there are duplicates (or repeat verification) test (i.e., more than one sample per home), etc.

Area Radon Information

Source: USGS

Telephone: 703-356-4020

The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones

Source: EPA

Telephone: 703-356-4020

Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

STREET AND ADDRESS INFORMATION

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APPENDIX E

AERIAL PHOTOGRAPH DOCUMENTATION



Battlefield Property

1220 East Elm

Monroe, MI 48162

Inquiry Number: 3084125.4

June 06, 2011

The EDR Aerial Photo Decade Package

EDR Aerial Photo Decade Package

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Please contact EDR at 1-800-352-0050
with any questions or comments.

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Date EDR Searched Historical Sources:

Aerial Photography June 06, 2011

Target Property:

1220 East Elm

Monroe, MI 48162

| <u><i>Year</i></u> | <u><i>Scale</i></u> | <u><i>Details</i></u> | <u><i>Source</i></u> |
|--------------------|-----------------------------------|-----------------------|----------------------|
| 1937 | Aerial Photograph. Scale: 1"=500' | Flight Year: 1937 | AAA |
| 1940 | Aerial Photograph. Scale: 1"=500' | Flight Year: 1940 | AAA |
| 1949 | Aerial Photograph. Scale: 1"=500' | Flight Year: 1949 | Detroit Edison |
| 1955 | Aerial Photograph. Scale: 1"=500' | Flight Year: 1955 | CSS |
| 1964 | Aerial Photograph. Scale: 1"=500' | Flight Year: 1964 | ASCS |
| 1973 | Aerial Photograph. Scale: 1"=600' | Flight Year: 1973 | ASCS |
| 1980 | Aerial Photograph. Scale: 1"=500' | Flight Year: 1980 | SEMCOG |
| 1985 | Aerial Photograph. Scale: 1"=500' | Flight Year: 1985 | SEMCOG |
| 1992 | Aerial Photograph. Scale: unknown | Flight Year: 1992 | FSA |
| 2000 | Aerial Photograph. Scale: 1"=500' | Flight Year: 2000 | SEMCOG |
| 2006 | Aerial Photograph. Scale: 1"=604' | Flight Year: 2006 | EDR |



INQUIRY #: 3084125.4

YEAR: 1937

| = 500'





INQUIRY #: 3084125.4

YEAR: 1940

| = 500'





INQUIRY #: 3084125.4

YEAR: 1949

| = 500'





INQUIRY #: 3084125.4

YEAR: 1955

| = 500'





INQUIRY #: 3084125.4

YEAR: 1964

| = 500'





INQUIRY #: 3084125.4

YEAR: 1973

| = 600'





INQUIRY #: 3084125.4

YEAR: 1980

| = 500'





INQUIRY #: 3084125.4

YEAR: 1985

| = 500'





INQUIRY #: 3084125.4

YEAR: 1992

| = unknown





INQUIRY #: 3084125.4

YEAR: 2000

| = 500'





INQUIRY #: 3084125.4

YEAR: 2006

| = 604'



APPENDIX F

HISTORICAL RESEARCH DOCUMENTATION

G. B. WARNKE & ASSOCIATES, INC.

Professional Land Surveyors • Michigan & Ohio

Established in 1972

727 West Temperance Road
Temperance, MI 48182-1600

(734) 847-7567

Fax (734) 847-1867

Boundary Surveys
Topographic Surveys
Mortgage Locations

PARCEL "B" Parcel with Frontage on Detroit Ave.

Situated in the City of Monroe, Monroe County, Michigan. Part of Private Claims 82 and 571 described as:

Commencing at a 3/4 inch capped (No.19474) iron pipe at the intersection of the northerly right-of-way line of Elm Avenue with the westerly right-of-way line of Detroit Avenue, thence along the northerly right-of-way line of Elm Avenue, South 39°12'53" East 66.69 feet to the easterly right-of-way line of said Detroit Avenue, thence along said easterly right-of-way line, North 24°54'07" East 790.00 feet to the point of beginning;

thence continuing along said easterly right-of way, North 24°54'07" East 918.41 feet to the approximate centerline of Mason Run;

thence along said approximate centerline the following two (2) courses: (1)South 57°27'24" East 660.76 feet and (2) South 64°23'46" East 145.12 feet;

thence South 24°54'07" West 828.77 feet;

thence North 65°05'53" West 800.00 feet to the point of beginning.

Contains 15.911 acres, more or less. Subject to all highways, easements, and restrictions of record.

Note: This description is based on past surveys and deeds in the area. No boundary survey has been performed, nor were irons set as of 6-22-2011.

General Property Information[\[Back to Non-Printer Friendly Version\]](#) [\[Send To Printer\]](#)

Parcel: 59-01900-008 Unit: CITY OF MONROE

If you are accessing this page without having logged in with a username and password, did you know there was [more information available?](#)

| | |
|---------------------------------|----------------------------|
| Property Address | [collapse] |
| 1504 MILL ST V MONROE, 48162 | |

| | |
|--|----------------------------|
| Owner Information | [collapse] |
| HOMRICH INC 200 MATLIN RD CARLETON, MI 48117 | |
| Unit: | 55 |

| | |
|--|----------------------------|
| Taxpayer Information | [collapse] |
| HOMRICH INC 200 MATLIN RD CARLETON, MI 48117 | |

| | |
|--|--------------------------|
| General Information for Tax Year 2010 | [expand] |
|--|--------------------------|

| Land Information | [collapse] | | | | | | | | | | | | | | | |
|--|----------------------------|-------------------------|----------|-------|--------|----------|----------|--------|----------|----------|--------|----------|----------|-----------------|----------|-------------------------|
| <table> <tr> <th></th> <th>Frontage</th> <th>Depth</th> </tr> <tr> <td>Lot 1:</td> <td>0.00 Ft.</td> <td>0.00 Ft.</td> </tr> <tr> <td>Lot 2:</td> <td>0.00 Ft.</td> <td>0.00 Ft.</td> </tr> <tr> <td>Lot 3:</td> <td>0.00 Ft.</td> <td>0.00 Ft.</td> </tr> <tr> <td>Total Frontage:</td> <td>0.00 Ft.</td> <td>Average Depth: 0.00 Ft.</td> </tr> </table> | | | Frontage | Depth | Lot 1: | 0.00 Ft. | 0.00 Ft. | Lot 2: | 0.00 Ft. | 0.00 Ft. | Lot 3: | 0.00 Ft. | 0.00 Ft. | Total Frontage: | 0.00 Ft. | Average Depth: 0.00 Ft. |
| | Frontage | Depth | | | | | | | | | | | | | | |
| Lot 1: | 0.00 Ft. | 0.00 Ft. | | | | | | | | | | | | | | |
| Lot 2: | 0.00 Ft. | 0.00 Ft. | | | | | | | | | | | | | | |
| Lot 3: | 0.00 Ft. | 0.00 Ft. | | | | | | | | | | | | | | |
| Total Frontage: | 0.00 Ft. | Average Depth: 0.00 Ft. | | | | | | | | | | | | | | |
| Total Acreage: | 18.60 | | | | | | | | | | | | | | | |
| Zoning Code: | I-2 | | | | | | | | | | | | | | | |
| Land Value: | \$19,120 | | | | | | | | | | | | | | | |
| Land Improvements: | \$0 | | | | | | | | | | | | | | | |
| Renaissance Zone: | NO | | | | | | | | | | | | | | | |
| Renaissance Zone Expiration Date: | | | | | | | | | | | | | | | | |
| Mortgage Code: | | | | | | | | | | | | | | | | |
| Lot Dimensions/Comments: | N/A | | | | | | | | | | | | | | | |

| | |
|---|----------------------------|
| Legal Information for 59-01900-008 | [collapse] |
|---|----------------------------|

COMM AT INT N R/O/W E ELM AVE WI E R/O/W DETROIT AVE; TH N 24D 54M 07S E 1918.60 FT; TH S 65D 07M 43S E 1139.79 FT AND S 25D 07M 41S W 290.68 FT TO CL MASON RUN DRAIN BEING POB; TH E ALG CL 600 FT M/L TO E LI PRIVATE CLAIM 571; TH S 24D 54M 01S W 1899.47 FT M/L ALG E LI FORD MOTOR CO RR SPUR ALSO BEING A POINT OF CURVATURE; TH ON CURVE TO RIGHT; ARC LENGTH OF 498.37 FT; ARC ANGLE 15D 08M 58S RADIUS 1884.86 FT; CHORD BEARING N 04D 35M 48S W; ;TH N 02D 54M 41S E 1477.25 FT TO CL MASON RUN DRAIN; TH S 66D 47M 19S E 221.31 FT TO POB CONT 18.602 ACRES M/L AND SUBJECT TO EASEMENTS OF RECORD

SKETCH/AREA TABLE ADDENDUM

Parcel No 59-01900-008

File No 59-01900-008

Property Address 1504 MILL ST V

City MONROE

County MONROE

State MI

Zip 48162

Owner HOMRICH INC

Client

Appraiser Name

S 66° 47' 19" E 221.3'

59-01900-008

AUTO CLOSED
S 74° 2' 2" E 583.6'

MASON RUN

Subject Site
18.43ac

N 2° 54' 41" E 1477.3'

S 24° 54' 1" W 1899.5'

498.4'



Scale: 1 = 383

Subject Site

Beginning at a point of the Tract described by Metes and Bounds as follows:

THENCE South 24° 54' 1" West, a distance of 1899.47 Feet;

THENCE along a curve to the Right, said curve having a radius of 1884.86 Feet, a central angle of 15° 8' 58", a chord which bears North 4° 35' 42" West, a distance of 498.37 Feet;

THENCE North 2° 54' 41" East, a distance of 1477.25 Feet;

THENCE South 66° 47' 19" East, a distance of 221.31 Feet;

THENCE South 74° 2' 2" East, a distance of 583.65 Feet to point of beginning;

Said tract containing 18.43 acres (802938.56 sf) of land, more or less.

Perimeter = 4680.05 Feet

No significant error of closure.

General Property Information[\[Back to Non-Printer Friendly Version\]](#) [\[Send To Printer\]](#)

Parcel: 59-01892-006 Unit: CITY OF MONROE

If you are accessing this page without having logged in with a username and password, did you know there was [more information available?](#)

| | |
|---------------------------------|----------------------------|
| Property Address | [collapse] |
| 1508 MILL ST V MONROE, 48162 | |

| | |
|---|----------------------------|
| Owner Information | [collapse] |
| HOMRICH INC/CITY OF MONROE 200 MATLIN RD CARLETON, MI 48117 | |
| Unit: | 55 |

| | |
|---|----------------------------|
| Taxpayer Information | [collapse] |
| HOMRICH INC/CITY OF MONROE 200 MATLIN RD CARLETON, MI 48117 | |

| | |
|--|--------------------------|
| General Information for Tax Year 2010 | [expand] |
|--|--------------------------|

| Land Information | [collapse] | | | | | | | | | | | | | | | |
|--|----------------------------|-------------------------|----------|-------|--------|----------|----------|--------|----------|----------|--------|----------|----------|-----------------|----------|-------------------------|
| <table> <tr> <th></th> <th>Frontage</th> <th>Depth</th> </tr> <tr> <td>Lot 1:</td> <td>0.00 Ft.</td> <td>0.00 Ft.</td> </tr> <tr> <td>Lot 2:</td> <td>0.00 Ft.</td> <td>0.00 Ft.</td> </tr> <tr> <td>Lot 3:</td> <td>0.00 Ft.</td> <td>0.00 Ft.</td> </tr> <tr> <td>Total Frontage:</td> <td>0.00 Ft.</td> <td>Average Depth: 0.00 Ft.</td> </tr> </table> | | | Frontage | Depth | Lot 1: | 0.00 Ft. | 0.00 Ft. | Lot 2: | 0.00 Ft. | 0.00 Ft. | Lot 3: | 0.00 Ft. | 0.00 Ft. | Total Frontage: | 0.00 Ft. | Average Depth: 0.00 Ft. |
| | Frontage | Depth | | | | | | | | | | | | | | |
| Lot 1: | 0.00 Ft. | 0.00 Ft. | | | | | | | | | | | | | | |
| Lot 2: | 0.00 Ft. | 0.00 Ft. | | | | | | | | | | | | | | |
| Lot 3: | 0.00 Ft. | 0.00 Ft. | | | | | | | | | | | | | | |
| Total Frontage: | 0.00 Ft. | Average Depth: 0.00 Ft. | | | | | | | | | | | | | | |
| Total Acreage: | 16.64 | | | | | | | | | | | | | | | |
| Zoning Code: | I-2 | | | | | | | | | | | | | | | |
| Land Value: | \$7,780 | | | | | | | | | | | | | | | |
| Land Improvements: | \$0 | | | | | | | | | | | | | | | |
| Renaissance Zone: | NO | | | | | | | | | | | | | | | |
| Renaissance Zone Expiration Date: | | | | | | | | | | | | | | | | |
| Mortgage Code: | | | | | | | | | | | | | | | | |
| Lot Dimensions/Comments: | N/A | | | | | | | | | | | | | | | |

| | |
|--|----------------------------|
| Legal Information for 59-01892-006 | [collapse] |
| <p>COMM AT NW COR E ELM AVE & DETROIT AVE; TH S 39D 12M 53S E 606.08 FT ALG N R/O/W LI ELM AVE; TH ALG SD R/O/W LI S 35D 30M 53S E 758.05 FT ALG N R/O/W LI TO POINT OF CURVATURE; TH ALG CURVE TO LEFT; RADIUS DIST 2780.90 FT; ARC DIST 3.36 FT; CHORD BEAR & DIST S 35D 32M 58S E 3.36 FT; TH S 62D 25M 03S E 508.93 FT TO E LI PC 571; TH N 24D 54M 01S E 484.27 FT TO N LI RR SPUR FOR POB; (L 246 P 2 REG/DEEDS) ;TH N 24D 54M 01S E 1884.55 FT ALG SD LI TO APPROX S BANK MASON RUN; TH S APPROX 389 FT TO W R/O/W LI I-75 DIST ALG S BANK MORE DIRECTLY DESC AS BEING S 62D 35M 50S E 387.13 FT; TH ON CURVE TO RIGHT; RADIUS DIST 13072.13 FT; ARC DIST 1742.10 FT; CHORD BEAR & DIST S 27D 33M 09S W 1740.81 FT; TH S 31D 22M 13S W 410.59 FT ALG SD R/O/W LI TO N LI SD RR SPUR; TH ON CURVE TO RIGHT; RADIUS DIST 1884.86 FT; ARC DIST 382.18 FT; CHORD BEAR & DIST N 18D 02M 49S W 381.53 FT ALG SD N LI TO POB CONT 16.637 ACRES M/L & SUBJECT TO HIGHWAYS & EASEMENTS OF RECORD</p> | |

SKETCH/AREA TABLE ADDENDUM

Parcel No 59-01892-006

File No 59-01892-006

Property Address 1508 MILL ST V

City MONROE

County MONROE

State MI

Zip 48162

Owner HOMRICH INC/CITY OF MONROE

Client NO ROAD FRONTAGE

Appraiser Name

59-01892-006

S 62°35'50" E 387.13

N 24°54'01" E 1884.55

1742.26

CONRAIL RR

S 31°22'13" W 410.59

382.21

Scale: 1 = 420

59-01892-006

Beginning at a point of the Tract described by Metes and Bounds as follows:

THENCE North 1° 30' 31" West, a distance of 1884.55 Feet;

THENCE South 89° 0' 22" East, a distance of 387.13 Feet;

THENCE along a curve to the Right, said curve having a radius of 13072.13 Feet, a central angle of 7° 38' 11", a chord which bears South 1° 8' 37" West, a distance of 1742.25 Feet;

THENCE South 4° 57' 41" West, a distance of 410.59 Feet;

THENCE along a curve to the Right, said curve having a radius of 1885.27 Feet, a central angle of 11° 37' 6", a chord which bears North 44° 26' 19" West, a distance of 382.29 Feet to point of beginning;

Said tract containing 16.56 acres (721149.46 sf) of land, more or less.

Perimeter = 4806.82 Feet

No significant error of closure.

General Property Information[\[Back to Non-Printer Friendly Version\]](#) [\[Send To Printer\]](#)

Parcel: 59-01900-003 Unit: CITY OF MONROE

If you are accessing this page without having logged in with a username and password, did you know there was [more information available?](#)

| | |
|------------------------------|----------------------------|
| Property Address | [collapse] |
| E ELM AVE V MONROE, 48162 | |

| | |
|---|----------------------------|
| Owner Information | [collapse] |
| HOMRICH/CITY OF MONROE 200 MATLIN RD CARLETON, MI 48117 | |
| Unit: | 55 |

| | |
|---|----------------------------|
| Taxpayer Information | [collapse] |
| HOMRICH/CITY OF MONROE 200 MATLIN RD CARLETON, MI 48117 | |

| | |
|--|--------------------------|
| General Information for Tax Year 2010 | [expand] |
|--|--------------------------|

| Land Information | [collapse] | | | | | | | | | | | | | | | |
|--|----------------------------|-------------------------|----------|-------|--------|----------|----------|--------|----------|----------|--------|----------|----------|-----------------|----------|-------------------------|
| <table> <tr> <th></th> <th>Frontage</th> <th>Depth</th> </tr> <tr> <td>Lot 1:</td> <td>0.00 Ft.</td> <td>0.00 Ft.</td> </tr> <tr> <td>Lot 2:</td> <td>0.00 Ft.</td> <td>0.00 Ft.</td> </tr> <tr> <td>Lot 3:</td> <td>0.00 Ft.</td> <td>0.00 Ft.</td> </tr> <tr> <td>Total Frontage:</td> <td>0.00 Ft.</td> <td>Average Depth: 0.00 Ft.</td> </tr> </table> | | | Frontage | Depth | Lot 1: | 0.00 Ft. | 0.00 Ft. | Lot 2: | 0.00 Ft. | 0.00 Ft. | Lot 3: | 0.00 Ft. | 0.00 Ft. | Total Frontage: | 0.00 Ft. | Average Depth: 0.00 Ft. |
| | Frontage | Depth | | | | | | | | | | | | | | |
| Lot 1: | 0.00 Ft. | 0.00 Ft. | | | | | | | | | | | | | | |
| Lot 2: | 0.00 Ft. | 0.00 Ft. | | | | | | | | | | | | | | |
| Lot 3: | 0.00 Ft. | 0.00 Ft. | | | | | | | | | | | | | | |
| Total Frontage: | 0.00 Ft. | Average Depth: 0.00 Ft. | | | | | | | | | | | | | | |
| Total Acreage: | 2.32 | | | | | | | | | | | | | | | |
| Zoning Code: | I-2 | | | | | | | | | | | | | | | |
| Land Value: | \$1,360 | | | | | | | | | | | | | | | |
| Land Improvements: | \$0 | | | | | | | | | | | | | | | |
| Renaissance Zone: | NO | | | | | | | | | | | | | | | |
| Renaissance Zone Expiration Date: | | | | | | | | | | | | | | | | |
| Mortgage Code: | | | | | | | | | | | | | | | | |
| Lot Dimensions/Comments: | N/A | | | | | | | | | | | | | | | |

| | |
|--|----------------------------|
| Legal Information for 59-01900-003 | [collapse] |
| <p>COMM AT INT N LI ELM AVE WI E LI DETROIT AVE 606.08 FT S 39D 12M 53S E N LI ELM AVE AND 628.80 FT S 35D 30M 53S E TO POB; TH S 62D 25M 03S E 624.37 FT TO E LI PC 571; TH N 24D 54M 01S E 343.18 FT ALG E LI PC 571 TO PT ON CURVE IN FORD MOTOR RR SPUR; TH ON CURVE TO LEFT; CENTRAL ANGLE 10D 43M 34S; RADIUS 1934.86 FT; ARC LENGTH 362.22 FT; CHORD BEARING S 10D 30M 52S E 361.69 FT; TH S 31D 22M 13S W 156.92 FT; TH N 62D 25M 03S W 235.71 FT TO E LI PC 571; TH N 62D 25M 03S W 508.93 FT TO PT OF CURVE; TH ON CURVE TO RIGHT; CENTRAL ANGLE 00D 04M 09S; RADIUS 2780.90 FT; ARC LENGTH 3.36 FT AND CHORD BEARING N 35D 32M 58S W 3.36 FT; TH N 35D 30M 53S W 129.95 FT TO POB (CONT 2.33 ACRES M/L) SUBJ TO HIGHWAYS AND EASEMENTS OF RECORD ABOVE DESC TO BE USED FOR TAX PURPOSES ONLY PC 571 1/2 INTEREST FOR DNR PURPOSES</p> | |

SKETCH/AREA TABLE ADDENDUM

Parcel No 59-01900-003

File No 59-01900-003

Property Address E ELM AVE V

City MONROE

County MONROE

State MI

Zip 48162

Owner HOMRICH/CITY OF MONROE

Client

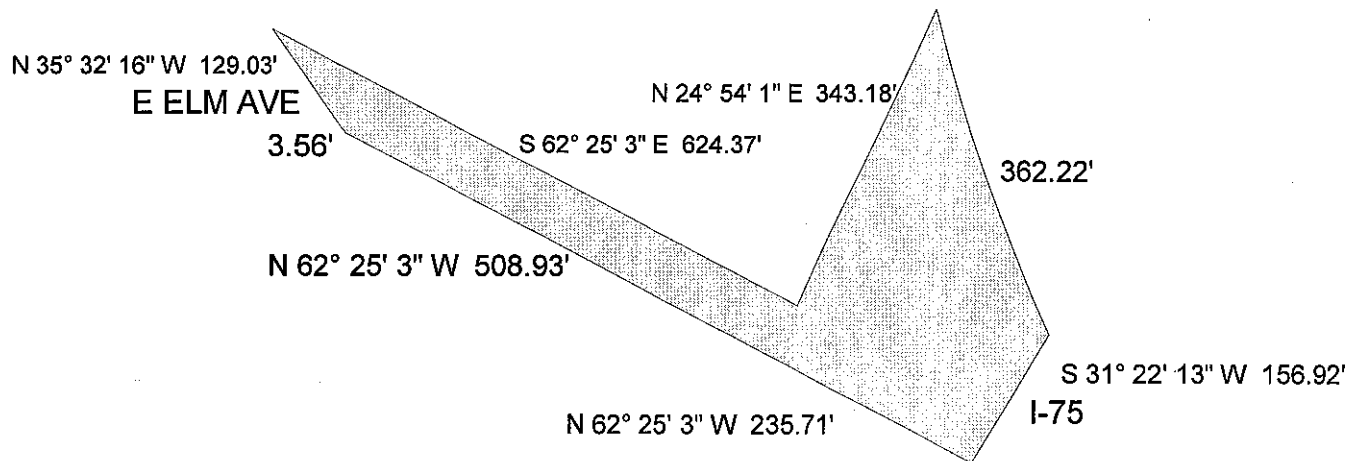
Appraiser Name

59-01900-003

Subject Site

2.33ac

2.33 AC

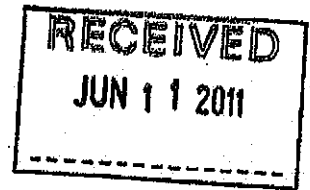


Scale: 1 = 200

Subject Site

Beginning at a point of the Tract described by Metes and Bounds as follows:

THENCE South 62° 25' 3" East, a distance of 624.37 Feet;
 THENCE North 24° 54' 1" East, a distance of 343.18 Feet;
 THENCE along a curve to the Left, said curve having a radius of 1934.86 Feet, a central angle of 10° 43' 34", a chord which bears South 19° 30' 52" East, a distance of 362.22 Feet;
 THENCE South 31° 22' 13" West, a distance of 156.92 Feet;
 THENCE North 62° 25' 3" West, a distance of 235.71 Feet;
 THENCE North 62° 25' 3" West, a distance of 508.93 Feet;
 THENCE along a curve to the Right, said curve having a radius of 2948.21 Feet, a central angle of 0° 4' 9", a chord which bears North 34° 40' 22" West, a distance of 3.56 Feet;
 THENCE North 35° 32' 16" West, a distance of 129.03 Feet to point of beginning;
 Said tract containing 2.33 acres (101438.88 sf) of land, more or less.
 Perimeter = 2363.92 Feet
 No significant error of closure.



June 8, 2011

Jessica Cory
22725 Orchard Lake Road
Farmington, MI. 48336

RE: Freedom of Information Act Request
1405 East Elm, 1504 and 1508 Mill, 1220 East Elm, Monroe, Monroe County MI.

Dear Ms. Cory:

This letter is in response to your request for information under the Freedom of Information Act 442 of 1976.

Division files were reviewed for the following:

- Property records

The Department of Environmental Quality (DEQ) website was reviewed for the following:

- The Michigan Environmental Mapper database

A large file is available regarding 1405 East Elm. If better addresses could be provided for the other properties a further review could be conducted. The cost for copies is \$1.15 for the first page and twenty-five cents for each additional page. If you have any questions regarding this letter or would like to review the file you may contact me at (734) 240-7900.

Sincerely,

A handwritten signature in dark ink, appearing to read "G. Costello". The signature is fluid and cursive, written over a horizontal line.

George Costello RS,
Registered Sanitarian
Environmental Health Division



JENNIFER M. GRANHOLM
GOVERNOR

STATE OF MICHIGAN
DEPARTMENT OF ENVIRONMENTAL QUALITY
JACKSON DISTRICT OFFICE



STEVEN E. CHESTER
DIRECTOR

June 22, 2011

Ms. Jessica Cory
AKT Peerless Environmental Services
22725 Orchard Lake Road
Farmington, Michigan 48336

Dear Ms. Cory:

SUBJECT: Request for Disclosure of Official Files from REMEDIATION DIVISION/PART 213, JACKSON DISTRICT OFFICE.

This notice is issued in response to your June 1, 2011, request(s) for information under the Freedom of Information Act, 1976 PA 442, as amended (FOIA), received in this office on June 2, 2011. You have requested information that you describe as **"PARCEL ID #'S 59-01900-000 (AKA) 1405 EAST ELM; 59-01900-003, 59-01900-005, 59-01900-006 (AKA) 1508 MILL STREET), 59-01900-008 (1504 MILL STREET), 59-01892-006 (NO ADDRESS), 59-01904-000 (AKA) 1220 EAST ELM; FORMERLY PART OF RIVER RAISIN BATTLEFIELD; HOMRICH INC., NE CORNER OF DETROIT & ELM, 311, 317, 319, 321 (AKA) 319-325 HARBOR AND 444 NORTH DIXIE HIGHWAY, (AKA) BEA #233, MONROE.**

The purpose of the FOIA is to provide the public with access to existing, nonexempt public records of public bodies. Your request to examine or receive a copy of the documents described above is denied.

Reason for denial: To the best of this public body's knowledge, information, and belief, the public record does not exist under the name given by the requester, or by another name reasonably known to the public body.

Authority for denial: Section 3(1) of the FOIA. Under section 10 of the FOIA, you may do either of the following:

1) Appeal this decision in writing to the Director of the Michigan Department of Natural Resources and Environment, P.O. Box 30473, Lansing, Michigan 48909-7973. The writing must specifically state the word "appeal," and must identify the reason or reasons you believe the denial should be reversed. The head of the department, or his designee, must respond to your appeal within 10 days after its receipt. Under unusual circumstances, the time for response to your appeal may be extended by 10 business days.

2) File an action in circuit court within 180 days after the date of the final determination to deny the request. If you prevail in such an action, the court is to award reasonable attorney fees, costs, and disbursements. Further, if the court finds the denial to be arbitrary and capricious, you may receive punitive damages in the amount of \$500.00.

Sincerely,

Linda K. Greer
FOIA Liaison, Part 213
Remediation Division
517-780-7880

16193
16659

MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY
CONFIRMATION / REQUEST FOR DISCLOSURE OF DEQ RECORDS
Under The Freedom Of Information Act

(This information is required under 1976 Pa 443, as amended, in order to request public records.)

ALL INFORMATION MUST BE TYPED OR PRINTED EXCEPT FOR WRITTEN SIGNATURES

| | | |
|--|--------------------|--|
| Company Name (If Applicable) Or Organization (If Any) AKT Peerless Environmental | | Business Phone # Area Code 248-615-1333 |
| Requester's Name Jessica Cory | | Daytime Phone # Area Code () — |
| Address (Street And Number) 22725 Orchard Lake Road | | Home Phone # Area Code () — |
| City Farmington | State MI | Zip Code 48336 |
| E-mail address: | | |

I wish to ☐ examine ☐ receive a copy of the following materials:
(Provide detailed descriptions of materials being requested and specify number of copies needed of each) (Attach additional sheets if necessary)
Parcel 59-01900-000 (1405 E Elm) portions of Homrich, Inc. formerly Jefferson Smurfit Landfill)
Monroe, Monroe County
F-11-149

139 pp

☐ I hereby request a waiver or reduction in fees as provided in Section 4(1) of F.O.I.A. because I am indigent or receive public assistance. (Attach proof)

I understand the DEQ may take 10 additional business days, if necessary, to fill my request due to the diverse locations or large volume of the material. I understand that if it is determined that some or all of the materials which I have requested to review or have copied may not be disclosed, I will receive a written denial including the reason for denial and explaining my right to appeal. I also understand that I may be charged with costs associated with this request.

Signature of Requester (If available)

Jessica Cory

Date

6/22/11

Please submit this completed confirmation / request to:

**RESOURCE MANAGEMENT DIVISION
MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY
301 EAST LOUIS GLICK HWY
JACKSON MI 49201**

**TELEPHONE NO.: (517) 780 — 7924
FAX NO.: (517) 780 — 7855**

If you have any questions regarding this request, please contact:

| | |
|---|---|
| Division/Office Name RESOURCE MANAGEMENT DIVISION | Unit JACKSON DISTRICT OFFICE |
| DEQ Employee Name R DU MONT | Telephone No. Area Code (517) 780 — 7924 |

Date this request was completed:

6/22/2011

FOR DEPARTMENT OF ENVIRONMENTAL QUALITY USE ONLY

This section to be completed by the DEQ division/office employee fulfilling this request

| | |
|--------------------------|---------------|
| Detail of Charges | INDEX |
| Labor \$ | 33000 |
| Labor \$ | PCA |
| Copying \$ | 46522 |
| Mailing \$ | AGENCY OBJECT |
| TOTAL \$ | 8857 |
| | PROJECT |
| | PHASE |

-THIS IS NOT A BILL-

**You will be invoiced
separately for any
charges listed.**

[Quick Search](#)[Advanced Search](#)[Recent Sites](#)[Site](#) [Contacts](#)

390821 / MI0000254128 HOMRICH INC
NE CORNER OF THE INTESECTION OF DETROIT, MONROE, MI 48162

Site**Site Name**

HOMRICH INC

Site Identification

| | | |
|----------------------------|--------------|----------------------------|
| WDS ID Number: | 390821 | History... |
| Site ID Number: | MI0000254128 | History... |
| Legal Site Name: | HOMRICH INC | History... |
| Specific Site Name: | HOMRICH INC | History... |
| District: | JACKSON | |

Address Identification**Location Address**

NE CORNER OF THE INTESECTION OF DETROIT
 & E. ELM AVENUES
 MONROE MI 48162-2523

[History...](#)**Mailing Address**

200 MATLIN RD
 CARLETON MI 48117-8397

[History...](#)**Miscellaneous**

| | | |
|---------------------------|-----------------|----------------------------|
| Tax Number: | | History... |
| No Number Because: | Out of Business | |

GPS Coordinates (provide five decimal places)

Latitude Coordinate: 41.90952**Longitude Coordinate:** -83.37543**Collection Method:** Lat/Long Interpolation**Receives All Waste?:** No**Railroad?:** No**Facility on Indian Reservation Land?:** No**Utilization Activities:****Scrap Tires Activities:****Scrap Tires Acres:****NAICS Codes (up to four six-digit codes):**

(The list of NAICS codes in WDS is based on the 2007 definitions provided by the U.S.Census Bureau.)

111320 - Citrus (except Orange) Groves

Haz Waste Contact

| | | | |
|-------------------------|----------------|--------------|---|
| First Name: | ROGER | M.I.: | I |
| Last Name: | HOMRICH | | |
| Phone Number: | (734) 654-9800 | Ext.: | |
| Alternate Phone: | | Fax: | |
| Email Address: | | | |

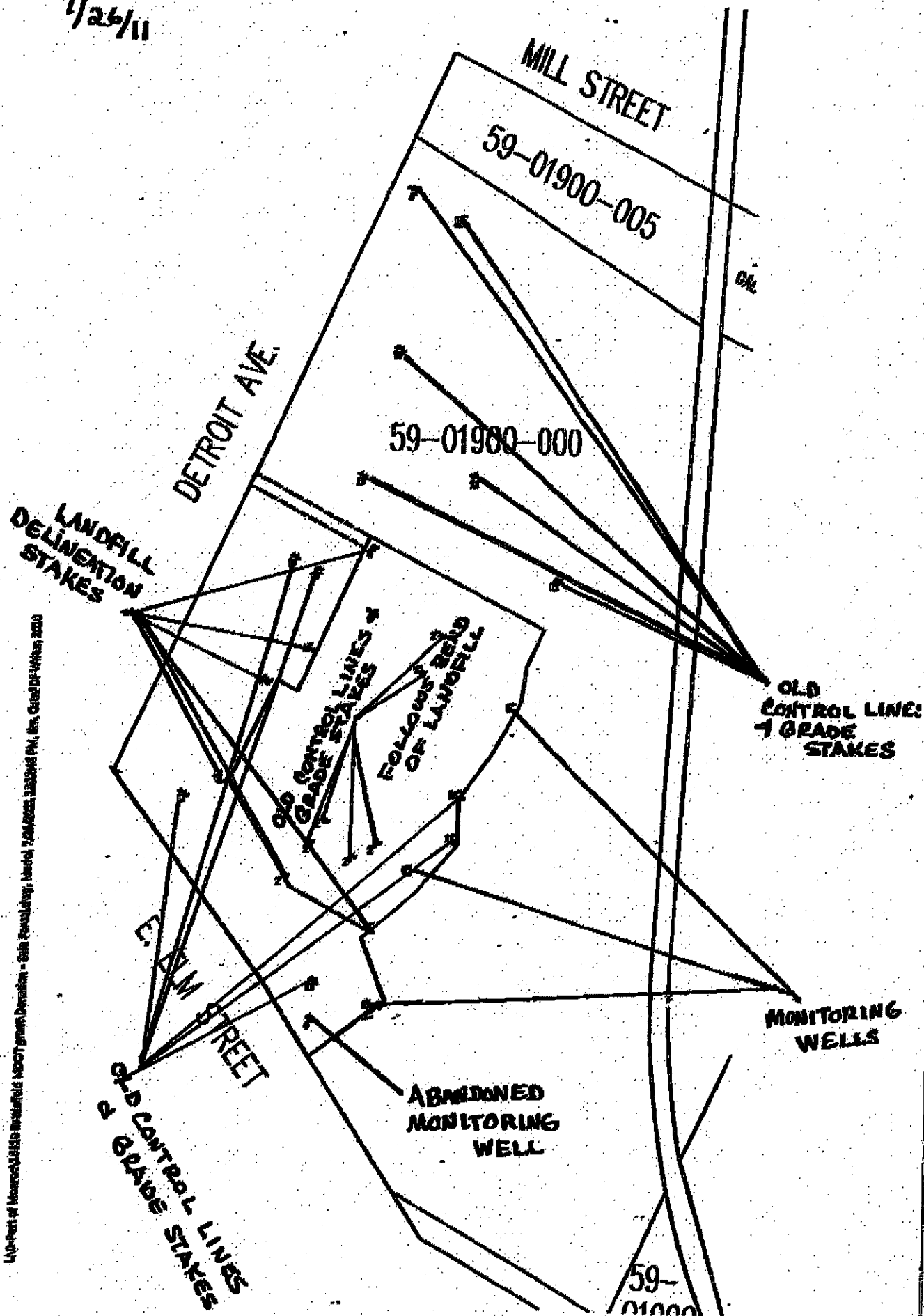
Owner/Operator (3)**Activities (3)****Site ID Fees (1)****Comments (6)****Petitions (0)****Used Oil Biennial Reports (0)****Parcelling (0)****Institutional Controls (0)**

| Exemptions (0) | | Site ID | | |
|-----------------------------------|-------------------|-------------|---------------|-----------------------|
| Name | Organization Type | Active Date | Inactive Date | Owner and/or Operator |
| HOMRICH INC (MI0000254128) | Private | 9/25/1997 | 8/1/2006 | Operator |
| ROGER I HOMRICH (MI0000254128) | Private | 9/25/1997 | 8/1/2006 | Owner |
| JEFFERSON SMURFIT CORP | Private | 1/1/1970 | 9/25/1997 | Owner |

[Michigan.gov Home](#) | [DEQ Home](#) | [Online Services](#) | [Permits](#) | [Programs](#) | [Site Map](#) | [Contact DEQ](#)
[State Web Sites](#) | [Privacy Policy](#) | [Link Policy](#) | [Accessibility Policy](#) | [Security Policy](#) | [Michigan News](#) | [Michigan.gov Survey](#)

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7/26/11



City of Detroit, Michigan
Department of Public Works
Division of Engineering
7/26/2011 1:13:04 PM, City of Detroit
7/26/2011

APPENDIX G

PREVIOUS ENVIRONMENTAL REPORTS

PRC Environmental Management, Inc.
233 North Michigan Avenue
Suite 1621
Chicago, IL 60601
312-856-8700
Fax 312-938-0118



**PRELIMINARY ASSESSMENT/
VISUAL SITE INSPECTION**

**JEFFERSON SMURFIT CORPORATION
(FORMERLY UNION CAMP CORPORATION)
MONROE, MONROE COUNTY, MICHIGAN
MID 005 039 490**

FINAL REPORT

Prepared for

**U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Waste Programs Enforcement
Washington, DC 20460**

| | | |
|------------------------------------|---|--|
| Work Assignment No. | : | C05087 |
| EPA Region | : | 5 |
| Site No. | : | MID 005 039 490 |
| Date Prepared | : | November 25, 1992 |
| Contract No. | : | 68-W9-0006 |
| PRC No. | : | 009-C05087M15A |
| Prepared by | : | PRC Environmental Management, Inc. (Terrence Quirk) |
| Contractor Project Manager | : | Shin Ahn |
| Telephone No. | : | (312) 856-8700 |
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- B VISUAL SITE INSPECTION SUMMARY AND PHOTOGRAPHS
- C VISUAL SITE INSPECTION FIELD NOTES
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1.0 INTRODUCTION

PRC Environmental Management, Inc. (PRC), received Work Assignment No. C05087 from the U.S. Environmental Protection Agency (EPA) under Contract No. 68-W9-0006 (TES 9) to conduct preliminary assessments (PA) and visual site inspections (VSI) of hazardous waste treatment and storage facilities in Region 5.

As part of the EPA Region 5 Environmental Priorities Initiative, the RCRA and CERCLA programs are working together to identify and address RCRA facilities that have a high priority for corrective action using applicable RCRA and CERCLA authorities. The PA/VSI is the first step in the process of prioritizing facilities for corrective action. Through the PA/VSI process, enough information is obtained to characterize a facility's actual or potential releases to the environment from solid waste management units (SWMU) and areas of concern (AOC).

A SWMU is defined as any discernible unit at a RCRA facility in which solid wastes have been placed and from which hazardous constituents might migrate, regardless of whether the unit was intended to manage solid or hazardous waste.

The SWMU definition includes the following:

- RCRA-regulated units, such as container storage areas, tanks, surface impoundments, waste piles, land treatment units, landfills, incinerators, and underground injection wells
- Closed and abandoned units
- Recycling units, wastewater treatment units, and other units that EPA has usually exempted from standards applicable to hazardous waste management units
- Areas contaminated by routine and systematic releases of wastes or hazardous constituents. Such areas might include a wood preservative drippage area, a loading or unloading area, or an area where solvent used to wash large parts has continually dripped onto soils.

An AOC is defined as any area where a release of hazardous waste or constituents to the environment has occurred or is suspected to have occurred on a nonroutine and nonsystematic basis. This includes any area where a strong possibility exists that such a release might occur in the future.

The purpose of the PA is as follows:

- **Identify SWMUs and AOCs at the facility**
- **Obtain information on the operational history of the facility**
- **Obtain information on releases from any units at the facility**
- **Identify data gaps and other informational needs to be filled during the VSI**

The PA generally includes review of all relevant documents and files located at state offices and at the EPA Region 5 office in Chicago.

The purpose of the VSI is as follows:

- **Identify SWMUs and AOCs not discovered during the PA**
- **Identify releases not discovered during the PA**
- **Provide a specific description of the environmental setting**
- **Provide information on release pathways and the potential for releases to each medium**
- **Confirm information obtained during the PA regarding operations, SWMUs, AOCs, and releases**

The VSI includes interviewing appropriate facility staff; inspecting the entire facility to identify all SWMUs and AOCs; photographing all visible SWMUs; identifying evidence of releases; making a preliminary selection of potential sampling parameters and locations, if needed; and obtaining additional information necessary to complete the PA/VSI report.

This report documents the results of a PA/VSI of the Jefferson Smurfit Corporation (Smurfit) facility (EPA Identification No. MID 005 039 490) in Monroe, Monroe County, Michigan. The PA was completed on June 17, 1992. PRC gathered and reviewed information from the Michigan Department of Natural Resources (MDNR); EPA Region 5 RCRA files; and the U.S. Geological Survey (USGS), Federal Emergency Management Agency, U.S. Department of Conservation (USDOC), and U.S. Department of Agriculture (USDA). The VSI was conducted on July 1, 1992. It included interviews with facility representatives and a walk-through inspection of the facility. PRC identified six SWMUs and four AOCs at the facility.

PRC completed EPA Form 2070-12 using information gathered during the PA/VSI. This form is included in Attachment A. The VSI is summarized and 18 inspection photographs are included in Attachment B. Field notes from the VSI are included in Attachment C. Reports on bedrock monitoring well installation and a SWMU 1 site investigation are included in Attachment D.

2.0 FACILITY DESCRIPTION

This section describes the facility's location; past and present operations; waste generating processes and waste management practices; history of documented releases; regulatory history; environmental setting; and receptors.

2.1 FACILITY LOCATION

The Smurfit facility is located at 1205 East Elm Avenue in Monroe, Monroe County, Michigan. Figure 1 shows the location of the facility in relation to the surrounding topographic features (latitude 41°55'00" N and longitude 83°22'00" W). The facility occupies 200 acres in a mixed-use area.

The facility is bordered on the north by Nationwide Galvanizing; on the west by B & A Auto Repair and a tavern; on the south by residential and recreational developments; and on the east by an 8-acre farm, wetlands, and the Ford Motor Company.

2.2 FACILITY OPERATIONS

The facility is currently owned by Smurfit. The facility was originally built in 1920 by River Raisin Paper Corporation. The facility was later acquired on an unknown date by the Union Camp Corporation (Union). In 1988, Union sold the facility to a partnership composed of Smurfit and an individual named Bob Mitchell. In 1991, Smurfit acquired full ownership of the facility.

Currently, the Smurfit facility employs about 100 people over three shifts, 7 days a week. The facility consists of Building No. 1, where all production takes place; the site of Building No. 2, now demolished; Building No. 5, now used for storage and formerly a container storage area (CSA); agricultural and undeveloped land; and a landfill area.

The Smurfit facility manufactures paper products from recycled waste paper for industrial and commercial uses. Waste paper is received in bales and mixed with water to form a pulp. This pulp is then fed through a series of rollers that heat and dry the pulp and form it into various grades of paper. This method of production has remained essentially the same since the facility was first opened in 1920 by River Raisin Paper Corporation.

The facility maintains three active underground storage tanks (UST), two inactive USTs, and two active aboveground storage tanks for gasoline. The facility has no storage areas for hazardous waste.

Solid wastes generated from facility operations and the SWMUs where the wastes are managed are discussed in detail in Section 2.3.

2.3

WASTE GENERATION AND MANAGEMENT

The Smurfit facility has four primary waste generating processes. Soil was generated from site investigations at the area of the now demolished Building No. 2. Nonhazardous scrap metal is generated from demolition and rehabilitation activities at the facility. Nonhazardous pulper waste and waste process water are generated from waste paper pulping operations. Nonhazardous waste oil is generated from routine machine maintenance throughout the facility. Nonhazardous coal boiler ash and slurry water are generated from the burning of coal for power generation and the transport of the coal boiler ash to the Landfill Area settling ponds. Hazardous waste mineral spirits (EPA waste codes D008, D018, and D039) is generated from use of four Safety-Kleen Corporation (Safety-Kleen) parts washers. These waste generation processes are discussed below; generation rates for the wastes are based on estimates provided by facility representatives. The facility's SWMUs are identified in Table 1. The facility layout, including SWMUs and AOCs, is shown in Figures 2, 3, and 4. The facility's waste streams are summarized in Table 2.

The facility has a total of six SWMUs:

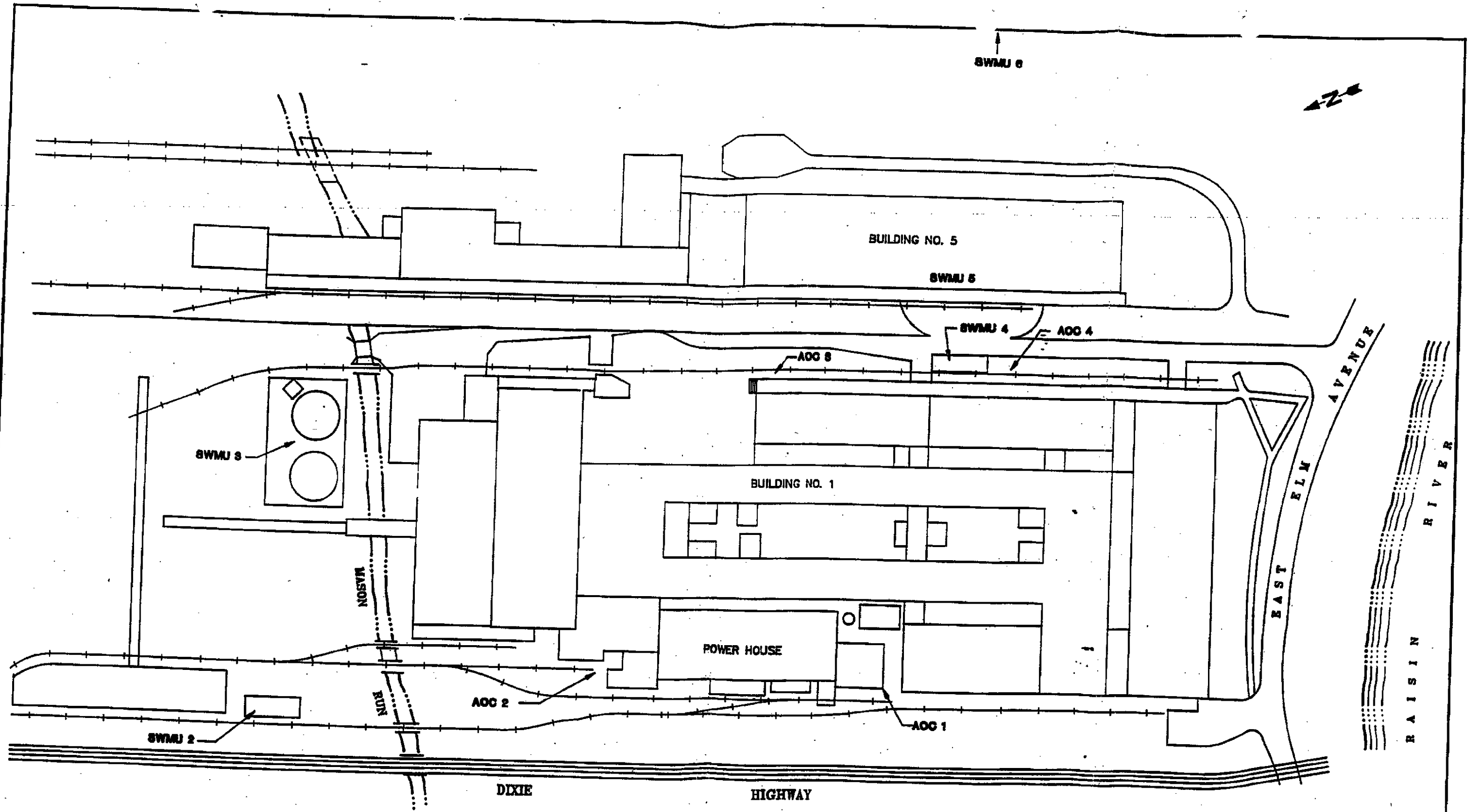
- A demolished production building (Building No. 2) where site investigation soil is stored (SWMU 1)
- A dumpster used to accumulate scrap metal (SWMU 2)
- A wastewater clarifier used to separate pulper waste from process water (SWMU 3)
- Two containers used to accumulate waste oil (SWMU 4)
- One container storage area (CSA) formerly used to accumulate waste solvent-based ink (SWMU 5)
- An on-site landfill area used for disposal of coal boiler ash and dewatered pulper waste (SWMU 6)

TABLE 1
SOLID WASTE MANAGEMENT UNITS

| <u>SWMU Number</u> | <u>SWMU Name</u> | <u>RCRA Hazardous Waste Management Unit^a</u> | <u>Status</u> |
|--------------------|-------------------------------|---|---|
| 1 | Building No. 2 | No | Active due to presence of soil from site investigation; Building No. 2 was demolished in 1991; release to soil and ground water before demolition |
| 2 | Scrap Metal Dumpster | No | Active; handles nonhazardous scrap metal |
| 3 | Wastewater Clarifier | No | Active; separates nonhazardous process water from nonhazardous pulper waste |
| 4 | Waste Oil Containers | No | Active; accumulates nonhazardous waste oil |
| 5 | Former Container Storage Area | Yes | RCRA-closed by MDNR in 1989, handled waste solvent-based ink (K086) |
| 6 | Landfill Area | No | Active; handles nonhazardous coal boiler ash and nonhazardous pulper waste |

Note:

^a A RCRA hazardous waste management unit is one that currently requires or formerly required submittal of a RCRA Part A or Part B permit application.



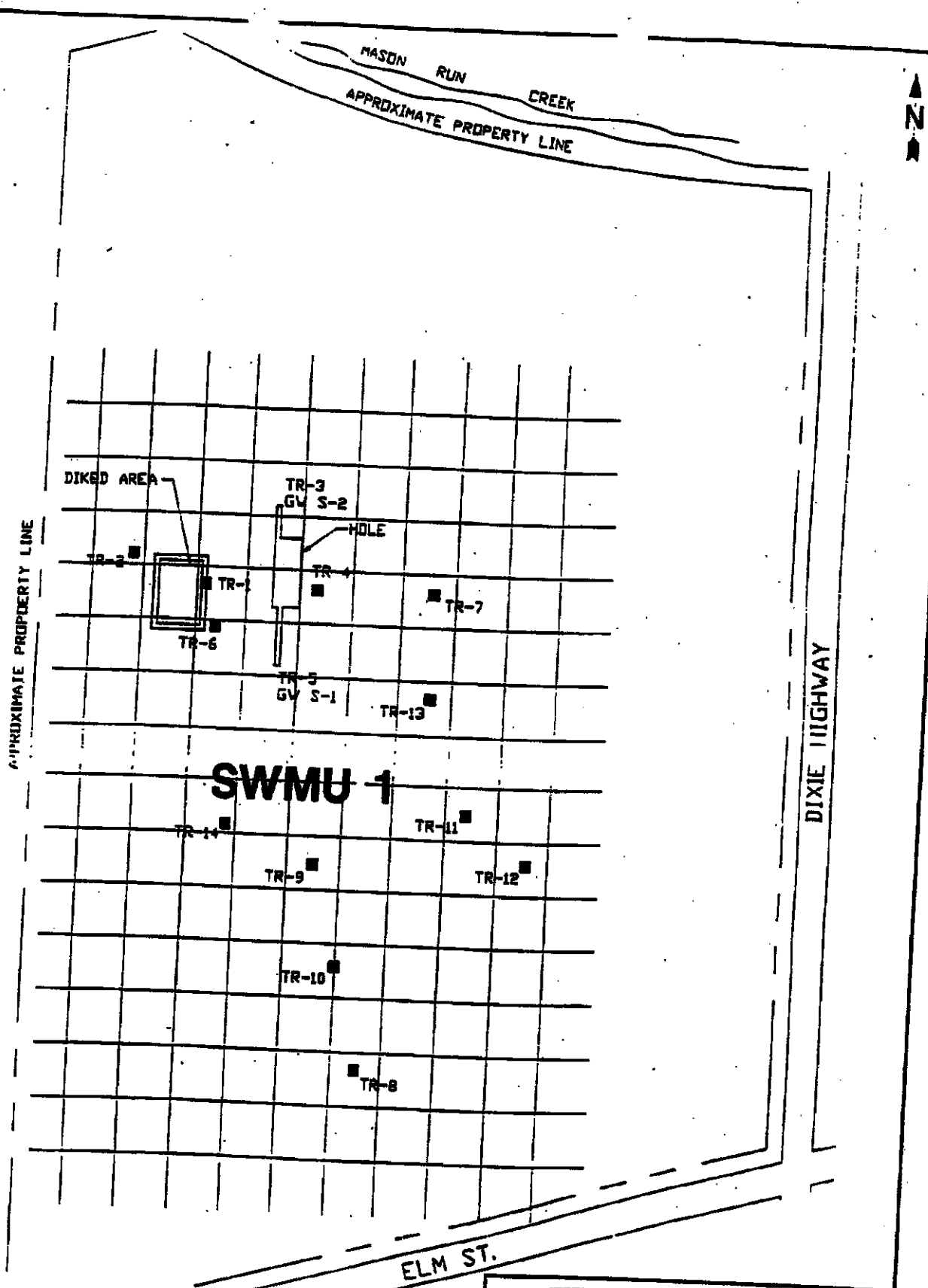
- LEGEND**
- | | | | |
|--------|-------------------------------|-------|--------------------------------------|
| SWMU 1 | BUILDING NO. 2 | AOC 1 | UNDERGROUND STORAGE TANK (UST) NO. 1 |
| SWMU 2 | SCRAP METAL DUMSTER | AOC 2 | UST NOS. 2 AND 3 |
| SWMU 3 | WASTEWATER CLARIFIER | AOC 3 | UST NO. 4 |
| SWMU 4 | WASTE OIL CONTAINERS | AOC 4 | UST NO. 5 |
| SWMU 5 | FORMER CONTAINER STORAGE AREA | | |
| SWMU 6 | LANDFILL AREA | | |

SWMU 1
↓

NOT TO SCALE

| |
|---|
| JEFFERSON SMURFIT CORPORATION MONROE, MICHIGAN |
| FIGURE 2 BUILDING NO. 1 LAYOUT |
| EMC ENVIRONMENTAL MANAGEMENT, INC. |

SOURCE: MODIFIED FROM SKETCH RECEIVED FROM SMURFIT CORPORATION, ON JULY 1, 1992



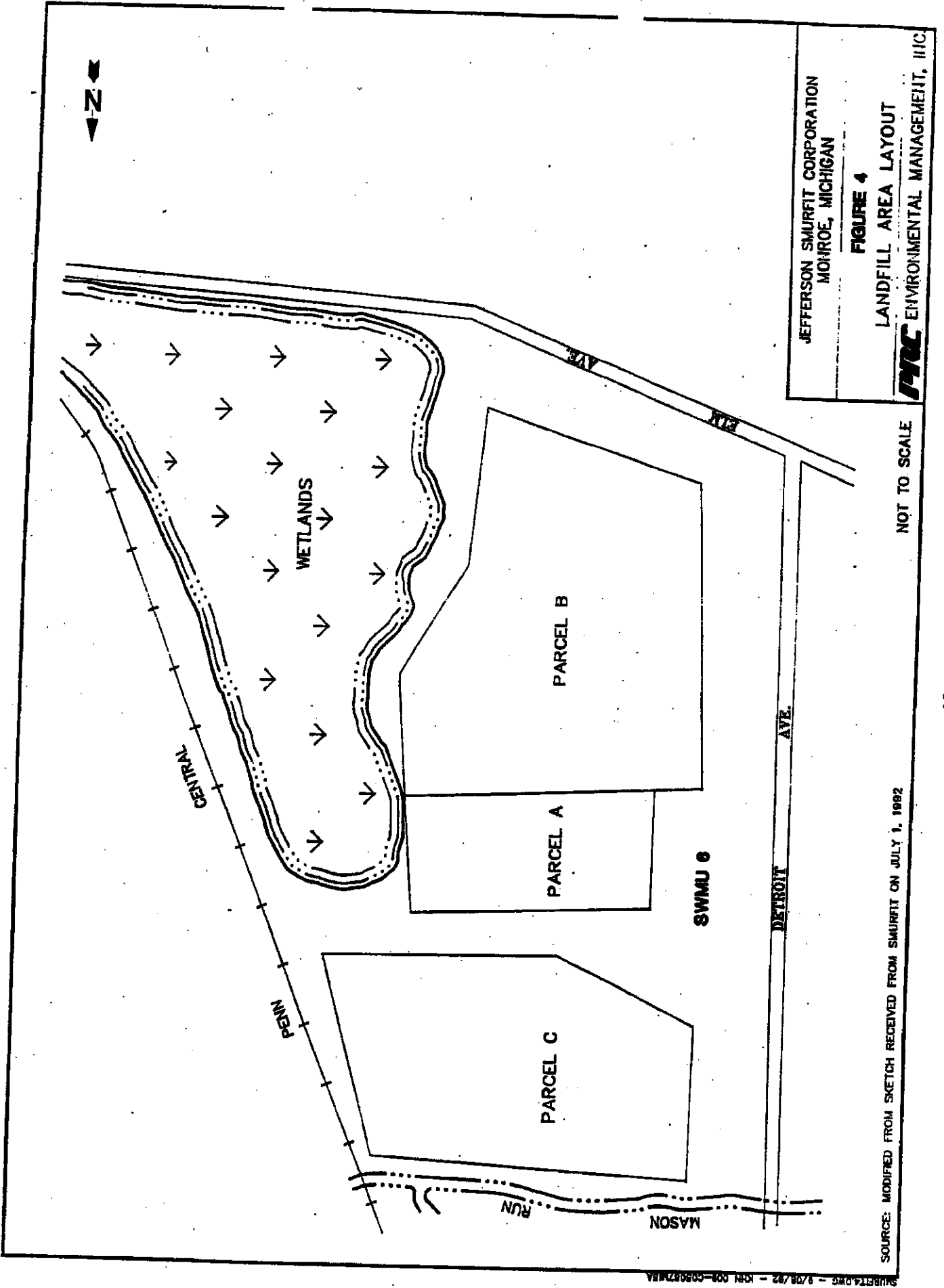
SOURCE: MODIFIED FROM PAULSON, JAMES S. AND HUFF, LINDA L. 1992

NOT TO SCALE

JEFFERSON SMURFIT CORPORATION
MONROE, MICHIGAN

FIGURE 3
BUILDING NO. 2 (DEMOLISHED) LAYOUT

PNE ENVIRONMENTAL MANAGEMENT, INC.



**TABLE 2
SOLID WASTES**

| <u>Waste/EPA Waste Code^a</u> | <u>Source</u> | <u>Solid Waste Management Unit^b</u> |
|---|-------------------------------|--|
| Soil/ NA | UST Excavation | SWMU No. 1 |
| Scrap Metal/ NA | Demolition and Rehabilitation | SWMU No. 2 |
| Waste Process Water/ NA | Wastewater Clarifier | SWMU 3 |
| Pulper Waste/ NA | Pulping of Waste Paper | SWMUs No. 3 and 6 |
| Waste Oil/ NA | Machine Maintenance | SWMU No. 4 |
| Coal Boiler Ash/ NA | Coal Boiler | SWMU No. 6 |
| Slurry Water/ NA | Landfill Area Settling Ponds | SWMU No. 6 |
| Waste Mineral Spirits /D008, D018, and D039 | Parts Washers | None |
| Waste Solvent-Based Ink /K086 ^c | Discontinued Labeling Uses | SWMU No. 5 |

Notes:

- ^a Not applicable (NA) designates nonhazardous waste.
- ^b "None" indicates that the waste is not managed on site.
- ^c This waste is no longer generated at the facility

The facility demolished Building No. 2 (SWMU 1), an abandoned paper production plant, in 1991. During this demolition, an UST for waste hydraulic oil and a sump that held waste motor oil were removed. During the removal, past releases of these oils to the environment were observed as soil staining. An unknown amount of soil from the excavation of the UST and the sump was generated and is stockpiled in the areas immediately adjacent to the excavations. The facility is awaiting test results for samples of this soil to determine potential disposal options. The entire area is considered as SWMU 1 due to the unknown amount of contamination remaining in the soil from the UST and sump releases and the known presence of contaminated soil stockpiled next to the UST area. These releases are discussed further in Section 2.4.

Demolition and rehabilitation of facility buildings have generated nonhazardous scrap metal. The scrap metal is stored in a 30-cubic-yard Scrap Metal Dumpster (SWMU 2) in the facility parking area. The scrap metal is sold to Magnimet of Monroe, Michigan, for recycling. The scrap metal generation rate is irregular and unknown.

The paper production process requires waste paper to be pulped with large amounts of water. As a result, a large amount of nonhazardous waste process water with some paper pulp is generated. This water is hard-piped to a 200,000-gallon Wastewater Clarifier (SWMU 3) that allows the pulp and water to separate. After clarification, the nonhazardous process water is piped back to the facility for reuse. At times, when the water can no longer be used in the process, the waste process water is discharged into the City of Monroe sanitary sewer system; the rate of discharge to the sanitary sewer system is unknown. The nonhazardous pulper waste that remains in the clarifier is periodically removed and trucked to the facility Landfill Area (SWMU 6). Pulper waste is generated at a rate of 3,000 cubic yards per year.

Nonhazardous waste oil is generated from routine machine maintenance. The waste oil has been analyzed and found to be nonhazardous. This oil is periodically collected throughout the facility and is then stored in two 250-gallon, plastic totes. These Waste Oil Containers (SWMU 4) are located on the loading dock at the east side of Building No. 1. These totes are picked up by Safety-Kleen of Toledo, Ohio (EPA Identification No. OHD 981 097 876), for recycling. The Smurfit facility generates about 3,000 gallons of waste oil per year.

The facility produces its own electrical power by use of a coal-fired boiler that powers a generator. This boiler generates nonhazardous coal boiler ash that remains from coal burning. The ash is combined with water to form a slurry, which is then hard-piped to the settling ponds at the facility Landfill Area (SWMU 6). The Landfill Area consists of settling ponds and a landfill. The ash is allowed to separate from the water in the settling ponds. After the ash has

used to cover
separated, it is disposed of in the landfill area. The generation rate for the coal boiler ash is about 6,000 cubic yards per year.

After the coal boiler ash has separated in the settling pond, the waste slurry water from the settling ponds is allowed to flow through any of the permitted NPDES outfalls into Mason Run, a tributary to the River Raisin that flows along the north side of the Landfill Area. The generation rate of the wastewater is unknown.

Metal tools and metal machine parts are cleaned in four Safety-Kleen parts washers. These parts washers contain mineral spirits and are located in the power house maintenance area, the millwright area, the plant maintenance area, and the forklift garage area. The waste mineral spirits (EPA waste codes D008, D018, and D039) is picked up from the parts washers on an irregular basis by Safety-Kleen of Toledo, Ohio. The generation rate for the waste mineral spirits is unknown.

In 1980, when the facility was owned and operated by Union, 660 gallons of hazardous waste-solvent based ink (EPA waste code K086) was stored in drums in a Former CSA in Building No. 5 (SWMU 5). This waste was generated when the facility changed over to nonhazardous water-based ink. The nonhazardous water-based ink is not generated as a solid waste. Since the waste solvent-based ink was disposed of in July 1981 at an unknown off-site location, the Former CSA has not been used (Union, 1986a). The Former CSA was approved as closed under RCRA regulations (RCRA-closed) by MDNR as of September 13, 1989 (MDNR, 1989). Currently, several pieces of decommissioned equipment are being stored in the Former CSA, but no solid wastes of any sort are being stored in this area.

2.4

HISTORY OF DOCUMENTED RELEASES

This section discusses the history of documented releases to ground water and on-site soils at the facility.

In 1991, Smurfit demolished Building No. 2 (SWMU 1), an abandoned paper production plant located across Dixie Highway west of the main production building, Building No. 1. On the west side of Building No. 2 was a vehicle maintenance area that included an aboveground fuel tank, an underground waste motor oil collection sump, and a waste hydraulic oil UST. The entire area where Building No. 2 stood, as well as the surrounding land, is considered SWMU 1. During the removal of the sump and the UST, contractors observed that the soil surrounding the UST and the sump was discolored, indicating that releases of waste oils may have occurred.

James S. Paulson and Linda L. Huff, P.E., contractors hired by Smurfit, performed a site investigation to determine the degree and extent of contamination from these possible releases. Eleven test pits were dug to a depth of 9 to 10 feet around the general area of discoloration; these pits were allowed to fill with water, presumably ground water. Also, four monitoring wells were installed to bedrock around the excavations. Soil and ground-water samples were collected from all 11 pits as well as ground-water samples from the four monitoring wells. These samples were analyzed for benzene, ethylbenzene, xylene, toluene, and polynuclear aromatic hydrocarbons (PNA). Sampling locations are identified and analytical results are included in the report prepared by the contractor, which is included in Attachment D. Soil from the excavations stockpiled in the SWMU 1 area have been sampled and the facility is awaiting test results (Paulson, 1992).

The analytical results indicated contamination of the soils and ground water in the area of the excavations. Xylene and toluene were detected in the soil samples, and xylene, toluene, and ethylbenzene were detected in the ground-water samples (Paulson, 1992).

The Landfill Area (SWMU 6) is a 21.45 acre area at the eastern edge of the facility. Pulper waste and coal boiler ash are disposed of in this area and constitute a release of solid wastes to surface soil. The wastes have been sampled and analyzed by the facility and have been determined to be nonhazardous.

2.5 REGULATORY HISTORY

Union submitted a Notification of Hazardous Waste Activity form to EPA on July 29, 1980 (Union, 1980a). The notification listed the facility as a generator of toxic wastes (EPA waste code D000) and as a treatment, storage, and disposal (TSD) facility. Also in 1980, Union submitted a RCRA Part A permit application (Union, 1980b). The application listed storage of wastes in containers (S01) (SWMU 5) with D001 and D007 waste codes and annual generation rates of 21,600 gallons and 250,000 gallons, respectively. The facility has not filed a Part B permit application and is operating as a small-quantity generator of hazardous waste.

On February 3, 1986, Union sent a letter to EPA requesting information on changing the facility's status to that of a generator only (Union, 1986a). On March 18, 1986, Union submitted a closure plan for the Former CSA (SWMU 5) and a request for withdrawal of its Part A permit application and termination of its interim status (Union, 1986b). Union submitted a revised closure plan to EPA on June 4, 1986 (Union, 1986c). On August 6, 1986, MDNR sent a Notice of Deficiency to EPA concerning the closure plan (MDNR, 1986). On September 26, 1986 EPA sent a notice to Union that the closure plan and withdrawal of the Part A permit application

would not be approved (EPA, 1986). On September 13, 1989, MDNR certified that the Smurfit facility was released from the financial responsibility requirements for closure based on the closure certifications of July 23 and May 15, 1989 (MDNR, 1989).

The facility is currently operating as a small-quantity generator of hazardous waste. The facility is currently operating a licensed State of Michigan Type III Landfill Area (SWMU 6) that is used for disposal of nonhazardous coal boiler ash, slurry water, and nonhazardous pulper waste. The Landfill Area was licensed by MDNR in 1980, and Smurfit is currently negotiating a renewal of the licence (MDNR, 1990 and 1992). No record of compliance inspections at the facility is available.

The facility is required to have operating air permits. The facility is currently operating a coal-fired boiler under a permit issued by the Air Quality Division of MDNR (MDNR, 1991). The facility has not been cited for violating its air permits. The facility has no history of odor complaints from area residents.

On August 31, 1983, MDNR reissued a permit to the facility for seven outfalls regulated under the National Pollutant Discharge Elimination System (NPDES) (MDNR, 1983). This permit is for discharge of noncontact cooling water and slurry water to Mason Run and River Raisin. The facility is required to sample the outfalls weekly for total suspended solids analysis. No violations of the permit have been recorded.

The facility has three active USTs and two inactive USTs; and has removed one UST (see Figure 2). USTs No. 2 and 3 (AOC 2) and UST No. 4 (AOC 3) are currently in use, and all contain fuel oil. These three USTs are constructed of steel; they have no liners, leak detection devices, or overflow protection. USTs No. 2 and 3 are located near the northeast corner of the facility and have a capacity of 30,000 gallons each. UST No. 4 is located on the east side of the facility and has a capacity of 1,000 gallons. USTs No. 1 (AOC 1) and 5 (AOC 4) both became inactive in 1989. UST No. 1 formerly contained fuel oil; has a capacity of 10,000 gallons; and is constructed of steel. UST No. 1 has no liner, leak detection devices, or overflow protection. UST No. 5 formerly contained fuel oil and lacquer thinner; has a capacity of 8,000 gallons; and is constructed of steel. UST No. 5 also has no liner, leak detection devices, or overflow protection.

The facility demolished Building No. 2 (SWMU 1), an abandoned paper production plant, in 1991. During demolition, an UST for waste hydraulic oil was removed. During the removal, evidence of releases of oil to the environment was observed. These releases are discussed further in Section 2.4.

No CERCLA activity has occurred at the facility.

2.6 ENVIRONMENTAL SETTING

This section describes the climate; flood plain and surface water; geology and soils; and ground water in the vicinity of the facility.

2.6.1 Climate

The climate in Monroe County is temperate with localized effects resulting from its proximity to Lake Erie. The average daily temperature is 60 degrees Fahrenheit (°F). The lowest average daily temperature is 18°F in January. The highest average daily temperature is 85°F in July (USDOC, 1963 and 1968).

The total annual precipitation for the county is 30 inches. The mean annual lake evaporation for the area is about 30 inches. The 1-year, 24-hour maximum rainfall is about 2 inches (USDOC, 1963 and 1968).

The prevailing wind is from the south at an annual average of 11.5 miles per hour. Average wind speed is highest in January and April at 13 miles per hour (USDOC, 1963 and 1968).

2.6.2 Flood Plain and Surface Water

The Smurfit facility is not located in a flood-prone area. Although the River Raisin is located 0.25 mile to the south and Mason Run is adjacent to the facility on the north, the facility is not located in a flood plain (HUD, 1977). The nearest surface water body, Mason Run, is located on the facility's northern boundary and is used solely for process water discharge from the facility. The River Raisin is 0.25 mile to the south and is used for recreational and industrial purposes. Mason Run flows into the River Raisin 1.25 miles east of the facility, and River Raisin flows into Lake Erie an additional 0.75 mile to the east.

Surface water at the facility runs in several directions depending on the portion of the facility in question. Surface water from the area of demolished Building No. 2 (SWMU 1) runs about 0.25 mile to the south to Elm Street, where it enters the City of Monroe storm sewer system. This system discharges into the River Raisin. Surface water from the area of Buildings No. 1 and 5 runs into the facility storm sewers and then into the River Raisin via an NPDES

outfall. Surface water from the Landfill Area (SWMU 6) drains into Mason Run via an NPDES outfall. Mason Run flows into the River Raisin.

2.6.3 Geology and Soils

The surface soils and subsurface soils in the area of the Smurfit facility are lake plain glacial deposits. These soils consist of silty sand or black loam from the surface to a depth of 1 foot and then of tan to grey, silty clay from a depth of 1 foot to bedrock. The glacial deposits range from 6.5 to 17 feet in thickness above bedrock. The soils have a 0 to 2 percent slope and are poorly drained (Chester, 1991).

The bedrock unit immediately beneath the soils is of the Bass Island Group. The Bass Island Group consists of tan, thin-bedded limestone and dolomite that become grey to light grey with depth. Core samples from monitoring wells installed around the facility Landfill Area (SWMU 6) revealed zones of calcite-filled vugs along with deposits of gypsum and anhydrite. The core samples also revealed occasional porous zones and small fractures (Chester, 1991).

2.6.4 Ground Water

The following description of ground-water conditions is based on well logs for three bedrock monitoring wells installed around the facility Landfill Area (SWMU 6). The bedrock monitoring wells were bored to an average depth of 49 feet below ground surface and were screened in bedrock from an average depth of 38 to 48 feet below ground surface. Depth to ground water ranges from about 4 feet to 8 feet below ground surface. Ground water in the area flows south toward the River Raisin. The monitoring wells produced an average of 7 gallons of water per hour. Horizontal hydraulic conductivity ranged from 0.6137 feet per day (ft/day) to 1.59 ft/day (Chester, 1991).

A site investigation report (see Attachment D) for the demolished Building No. 2 (SWMU 1) presents evidence of ground-water contamination in the area. Xylene, toluene, and ethylbenzene were found in ground-water samples from the area where releases of waste motor oil and waste hydraulic oil are believed to have occurred (Paulson, 1992).

Ground water in the Monroe area is not used for drinking water purposes. All drinking water for both the city and the facility is drawn from Lake Erie (Chester, 1991).

RECEPTORS

The facility occupies 200 acres in a mixed-use area in Monroe, Michigan. Monroe has a population of about 23,000.

The facility is bordered on the north by Nationwide Galvanizing; on the west by B & A Auto Repair and a tavern; on the south by residential and recreational developments; and on the east by an 8-acre farm, wetlands, and the Ford Motor Company.

The nearest residential area, which includes 24 single-family homes, is located about 0.8 mile southeast of the facility. Facility access is controlled by security guards who patrol all of the facility property 24 hours a day. The facility is not fenced.

The nearest surface water body, Mason Run, is located on the northern boundary of the facility and is used for industrial process water discharge only. No water intakes are located along Mason Run. Other surface water bodies in the area include the River Raisin, about 0.25 mile south of the facility and Lake Erie, about 2 miles east of the facility. Both are extensively used for recreation, and Lake Erie is the source of all local drinking water.

Ground water is not used in the vicinity of the facility. There are no nearby drinking water or industrial wells (Chester, 1991).

Sensitive environments are not located on site. The nearest sensitive environment is an emergent wetland immediately east of the facility property and adjacent to the Landfill Area (SWMU 6). This wetland is a fresh water marsh dominated by soft-stemmed vegetation such as cattail, reeds, and grasses (USGS, 1979; Niering, 1988). Other sensitive habitats include hundreds of acres of fresh water marshes and flood plain wetlands, Sterling State Park, and Lake Erie. All these areas are within 2 miles of the Smurfit facility (USGS, 1973 and 1979).

3.0 SOLID WASTE MANAGEMENT UNITS

This section describes the six SWMUs identified during the PA/VSI. The following information is presented for each SWMU: description of the unit, dates of operation, wastes managed, release controls, history of documented releases, and PRC's observations. Figures 2, 3, and 4 show the SWMU locations.

SWMU 1

Building No. 2

Unit Description:

Building No. 2 is a demolished paper recycling plant west of Building No. 1 and across Dixie Highway. During demolition activities in 1991, one waste hydraulic oil UST and one waste motor oil sump were discovered and removed. Soil discoloration was observed, and an investigation was performed to determine the extent of any soil and ground-water contamination. Soil and ground-water contamination has been verified. The entire area where Building No. 2 stood, as well as the surrounding property, is considered as SWMU 1. Soil from the excavations is currently stockpiled on the ground in the SWMU 1 area awaiting analysis results to determine disposal options.

Date of Startup:

This unit began operation in 1920. Operations in Building No. 2 ceased on an unknown date. Waste hydraulic oil remained in an UST and waste motor oil remained in a sump until 1991.

Date of Closure:

This unit no longer stores waste but is currently active.

Wastes Managed:

This unit managed waste motor oil and waste hydraulic oil with an unknown hazard potential and now manages excavated soil.

Release Controls:

This unit has no release controls.

History of Documented Releases:

Evidence of release of waste motor oil and waste hydraulic oil has been observed. Benzene, ethylbenzene, and xylene have been detected in the ground water. Xylene and toluene have been detected in the surrounding soil.

Observations:

During the VSI, the disturbed nature of the soils in the demolition and excavation areas made direct observation possible. The unit contained material excavated during sampling prior to the VSI. Photographs of the excavations and stockpiled soil are included in Attachment B (see Photographs No. 1 through 5).

SWMU 2

Scrap Metal Dumpster

Unit Description:

The Scrap Metal Dumpster is located outdoors at the northwestern corner of the facility property and is based on bare soil. This dumpster is used to store scrap steel and other metals until they are picked up by a recycling company. The dumpster has a capacity of 30 cubic yards.

Date of Startup:

This unit began operation in 1991.

Date of Closure:

This unit is currently active.

Wastes Managed:

This unit manages nonhazardous scrap steel and other scrap metals and is shipped to Magnimet of Monroe, Michigan for recycling.

Release Controls:

This unit has no release controls.

**History of
Documented Releases:**

No releases from this unit have been documented.

Observations:

This unit contained scrap metals at the time of the VSI. PRC noted no evidence of release (see Photograph No. 7).

SWMU 3

Wastewater Clarifier

Unit Description:

The Wastewater Clarifier consists of two 200,000-gallon, concrete, aboveground treatment tanks at the north end of the facility property. Only one tank is in service. Waste process water from the paper pulping and forming processes is piped into the clarifier, where pulper waste is allowed to separate from the wastewater. The wastewater is then either returned to the production areas for reuse or discharged into the City of Monroe sanitary sewer system.

The city conducts daily tests for pH at the point of entry into their system.

Date of Startup:

This unit began operation before 1980.

Date of Closure:

This unit is currently active.

Wastes Managed:

This unit manages nonhazardous waste process water and nonhazardous pulper waste generated from paper production. The wastewater is discharged into the City of Monroe sanitary sewer system and the pulper waste is disposed of in the Landfill Area (SWMU 6).

Release Controls:

This unit has no release controls.

**History of
Documented Releases:**

No releases from this unit have been documented.

Observations:

This unit contained waste process water and pulper waste at the time of the VSI. PRC noted no evidence of release (see Photograph No. 9).

SWMU 4

Waste Oil Containers

Unit Description:

The Waste Oil Containers are two 250-gallon, portable, plastic containers stored on the east concrete loading dock of Building No. 1. This loading dock has no nearby drains and is covered by an overhang. The waste oil is generated from routine maintenance activities.

Date of Startup:

This unit began operation in May 1992. Each time a container is started it is considered a separate SWMU.

Date of Closure:

This unit is currently active.

Wastes Managed:

This unit manages nonhazardous waste oil. This oil is picked up by Safety-Kleen of Toledo, Ohio.

| | |
|--|---|
| Release Controls: | This unit has no release controls. |
| History of Documented Releases: | No releases from this unit have been documented. |
| Observations: | During the VSI, this unit contained about 500 gallons of waste oil. The waste oil was awaiting pickup by Safety-Kleen. PRC noted no evidence of release (see Photograph No. 10). |
| SWMU 5 | Former Container Storage Area |
| Unit Description: | The Former CSA is located in Building No. 5, a poorly maintained building located about 150 feet east of Building No. 1. The unit is a curbed, concrete pad in the northwest corner of the building and measures 36 by 26 feet. The unit last stored hazardous wastes in 1981, when 660 gallons of waste solvent-based ink (EPA waste code K086) was removed from the unit. The unit has not been used for storage of wastes since that time and was approved as RCRA-closed by MDNR in 1989. |
| Date of Startup: | This unit began operation before 1981. |
| Date of Closure: | This unit has been inactive since 1981 and was RCRA-closed by MDNR on September 13, 1989. |
| Wastes Managed: | This unit managed hazardous waste solvent-based ink (K086). |
| Release Controls: | This unit is located below grade. It is a concrete pad surrounded by a 12-inch-high curb. |
| History of Documented Releases: | No releases from this unit have been documented. |
| Observations: | During the VSI, this unit contained no waste, but several pieces of decommissioned machinery were being stored in the unit. PRC noted no evidence of release (see Photographs No. 13 and 14). |

SWMU 6

Landfill Area

Unit Description:

The Landfill Area is a 21.45-acre area at the eastern edge of the facility property. The Landfill Area is separated into three parcels: A, B, and C. Parcel A is 3.15 acres in size and is filled, covered, and inactive. Parcel B is 9.6 acres in size and is currently receiving nonhazardous coal boiler ash and nonhazardous pulper waste. Parcel C is 8.7 acres in size and consists of a pond used to receive nonhazardous waste coal boiler ash slurry piped from Building No. 1. This slurry is allowed to settle, and the ash is then added to the fill on Parcel B. The wastewater from the slurry (slurry water) is allowed to flow into Mason Run through a permitted NPDES outfall at the north end of the fill.

Date of Startup:

This unit began operation before 1980.

Date of Closure:

This unit is active.

Wastes Managed:

This unit manages nonhazardous waste coal boiler ash and nonhazardous pulper waste. This unit is the ultimate destination. The slurry water is discharged to Mason Run.

Release Controls:

This unit has no release controls.

History of Documented Releases:

The Landfill Area is a release of pulper waste and coal boiler ash to surface soils.

Observations:

This unit contained nonhazardous waste coal boiler ash and nonhazardous pulper waste at the time of the VSI. The unit was not covered and was exposed to the elements. Releases of pulper waste and coal boiler ash were observed but these waste are nonhazardous in nature (see Photographs No. 15 through 18).

4.0 AREAS OF CONCERN

PRC identified four AOCs during the PA/VSL. These AOCs are discussed below; their locations are shown in Figure 2.

AOC 1 Underground Storage Tank No. 1

UST No. 1 is located near the west side of the facility next to a parking area. This UST has a capacity of 10,000 gallons and held fuel oil from 1970 until 1989. Facility representatives claim that UST No. 1 is empty. While it was in use, leak detection and overflow protection devices were not used, and integrity testing was not performed. This UST is considered an AOC because of the lack of leak detection devices and integrity testing (see Photograph No. 6).

AOC 2 Underground Storage Tanks No. 2 and 3

USTs No. 2 and 3 are located near the northwest corner of the facility next to the parking area. These USTs contain fuel oil, each has a capacity of 30,000 gallons. Each UST has been in service since about 1970. These USTs are considered an AOC because they lack leak detection and overflow protection devices and no integrity testing has been performed on them (see Photograph No. 8).

AOC 3 Underground Storage Tank No. 4

UST No. 4 is located next to the east side of Building No. 1. This UST contains fuel oil and has a capacity of 10,000 gallons. The UST has been in service since about 1970. This UST is considered an AOC because it lacks leak detection and overflow detection devices and no integrity testing has been performed on it (see Photograph No. 11).

AOC 4 Underground Storage Tank No. 5

UST No. 5 is located near the east side of Building No. 1 next to the loading dock. This UST formerly contained lacquer thinner and fuel oil and has a capacity of 8,000 gallons. The UST was active from 1970 to 1989. This UST is considered an AOC because it lacks leak detection and overflow protection devices and no integrity testing has been performed on it (see Photograph No. 12).



Knowledge, and the Creativity to Use It

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**CATEGORY A
BASELINE ENVIRONMENTAL ASSESSMENT**

**Conducted Pursuant to Section 20126(1)(c)
of 1994 PA 451, Part 201, as amended**

**Former Jefferson Smurfit Property
1205 East Elm Avenue
Monroe, Michigan**

Prepared for:

**Homrich Incorporated
200 Matlin Road
Carleton, Michigan 48117**

Report Date:

**November 4, 1997: Substantially Completed
January 27, 1998: Final Edits and Production**

Techna Project No. 00696-02R-001

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- Appendix F** Results of Preliminary Sampling of Waste Disposal Pits, The Chester Engineers, July 13, 1989; and, Subsurface Investigation Summary, Delta Environmental Consultants, Inc., April 11, 1997
- Appendix G** River Raisin and Mason Run Sediment Sampling, Michigan Department of Natural Resources (MDNR) interoffice communication, February 8, 1994; Jefferson Smurfit Mason Run Remediation, Chester Environmental memorandum, March 1, 1994; Work Plan for Evaluation of Ash Content in Mason Run, MDNR interoffice communication, August 9, 1994; Notice of Noncompliance No. 11-93-04-017D, MDNR, November 2, 1993; Response to Notice of Noncompliance, Jefferson Smurfit Corporation, November 23, 1993; Ford Motor Wet-land Remediation in Monroe, MI, Jefferson Smurfit Corporation interoffice memorandum, October 14, 1994; and, Public Notice, MDNR, September 23, 1994.
- Appendix H** May 28, 1997 Huff & Huff Inc. Draft Letter to the Michigan Department of Environmental Quality Concerning the Disposition of Stockpiled Soil
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**CATEGORY A
BASELINE ENVIRONMENTAL ASSESSMENT**

**Conducted Pursuant to Section 20126(1)(c)
of 1994 PA 451, Part 201, as amended**

**Former Jefferson Smurfit Property
1205 East Elm Avenue
Monroe, Michigan**

1.0 INTRODUCTION

Techna Corporation, on behalf of Homrich Incorporated, has performed a Category A Baseline Environmental Assessment (BEA) of the property located at 1205 East Elm Avenue, City of Monroe, County of Monroe, State of Michigan (the property).

The property's location within the City of Monroe is shown in Figure 1 (United States Geological Survey 7.5-Minute Topographic Quadrangle Map, Monroe and Stony Point, dated 1967, photo revised 1979 and 1973). Its boundaries (Figure 2) are irregularly shaped and discontinuous, extending north of the River Raisin and east of the Conrail and Grand Trunk Western Railroad tracks near North Dixie Highway. The property is comprised of wooded land, wetlands, surface water channels (Mason Run Stream and Fresh Water Canal), and currently unoccupied industrial buildings. The property is roughly bisected by Interstate Highway I-75 and a railroad spur.

The property was purchased by Homrich Incorporated on September 25, 1997. No development or use of the property will be conducted by the present owner in which hazardous substances will be used at levels above typical household or office operations.

1.1 Background

Available historical information indicates that the property was used exclusively for paper manufacturing from the early 1900s until the mid-1990s. Paper mill operations were restricted to the southern half of the property, west of Detroit Avenue. Existing buildings which formerly comprised

the paper mill complex (East Mill Complex) are shown in Figure 3. A portion of the property, located north of Elm Avenue and south of the Mason Run Stream, between Detroit Avenue and the railroad spur and marsh land, was licensed for disposal of fly ash and nonhazardous pulp and paper wastes associated with former coal-fired boiler operations and recycled-paper manufacturing processes. The remaining portion of the property east of Detroit Avenue has not been developed and consists primarily of marsh land, with associated streams and ponds. Additional information related to property history and ownership is contained in Appendix B (*Environmental Site Assessment (Physical Walk-Through) of Monroe Paper Company*, Gary J. Davis, July 10, 1991, and *A History of the Jefferson Monroe Mill Complex*, Jefferson Monroe Complex Steering Team, undated).

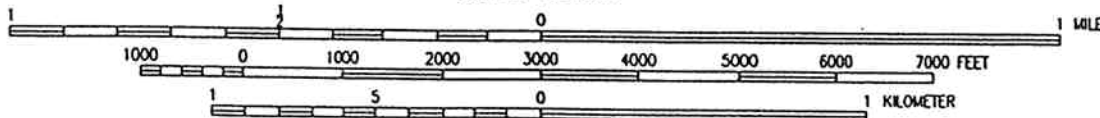
Environmental investigations at the property have revealed the presence of at least eight areas of environmental contamination. The approximate location of each of these environmental areas of interest (AOI) is presented in Figure 4. Identified contaminants include volatile organic compounds (VOC), metals, semivolatile organic compounds (SVOCs), including polycyclic aromatic hydrocarbons (PAH/PNA), sulfates, and ammonia. Contaminants have been detected in several areas at levels above default residential use criteria established by the Michigan Department of Environmental Quality (MDEQ), thus making the property a facility as defined in *Part 201 of the Michigan Natural Resources and Environmental Protection Act* (NREPA), 1994 PA 451, as amended.

1.2 Purpose

Environmental information and data were collected and evaluated to identify any contamination existing before Homrich Incorporated's acquisition of the property. The identification of contaminants in environmental media above MDEQ default residential use criteria was sufficient to define the property as a "facility", supporting the establishment of liability exemptions for the present owner. The liability exemptions for existing contaminants were based on future land uses not involving significant quantities of hazardous substances as defined in Part 201 of NREPA.



SCALE 1:24000



QUADRANGLE LOCATION

Source: USGS

Monroe and Stony Point, Michigan
7.5 Minute Quadrangles 1967 (Photorevised 1979 and 1973)

TECHNA
CORPORATION

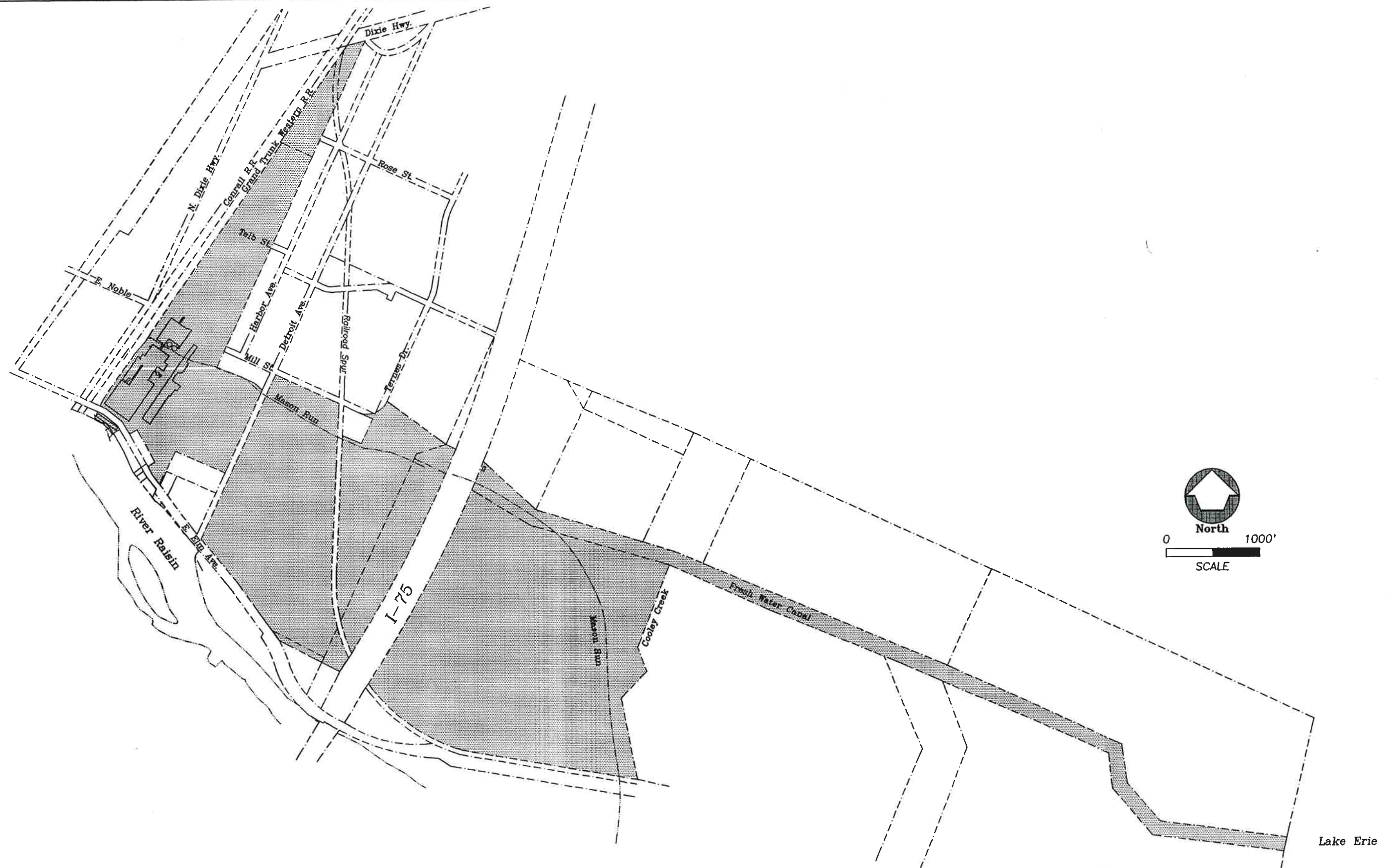
44808 Helm Street
Plymouth, MI 48170
(313) 454-1100

Figure 1

Site Location Map

Former Jefferson Smurfit Corporation Property
Monroe, MI
T75 R9E

TPN: 00896-02R
Date: 10-27-97
Rev.
Dwn: 060
Ref:
File: 69602R-L.DWG

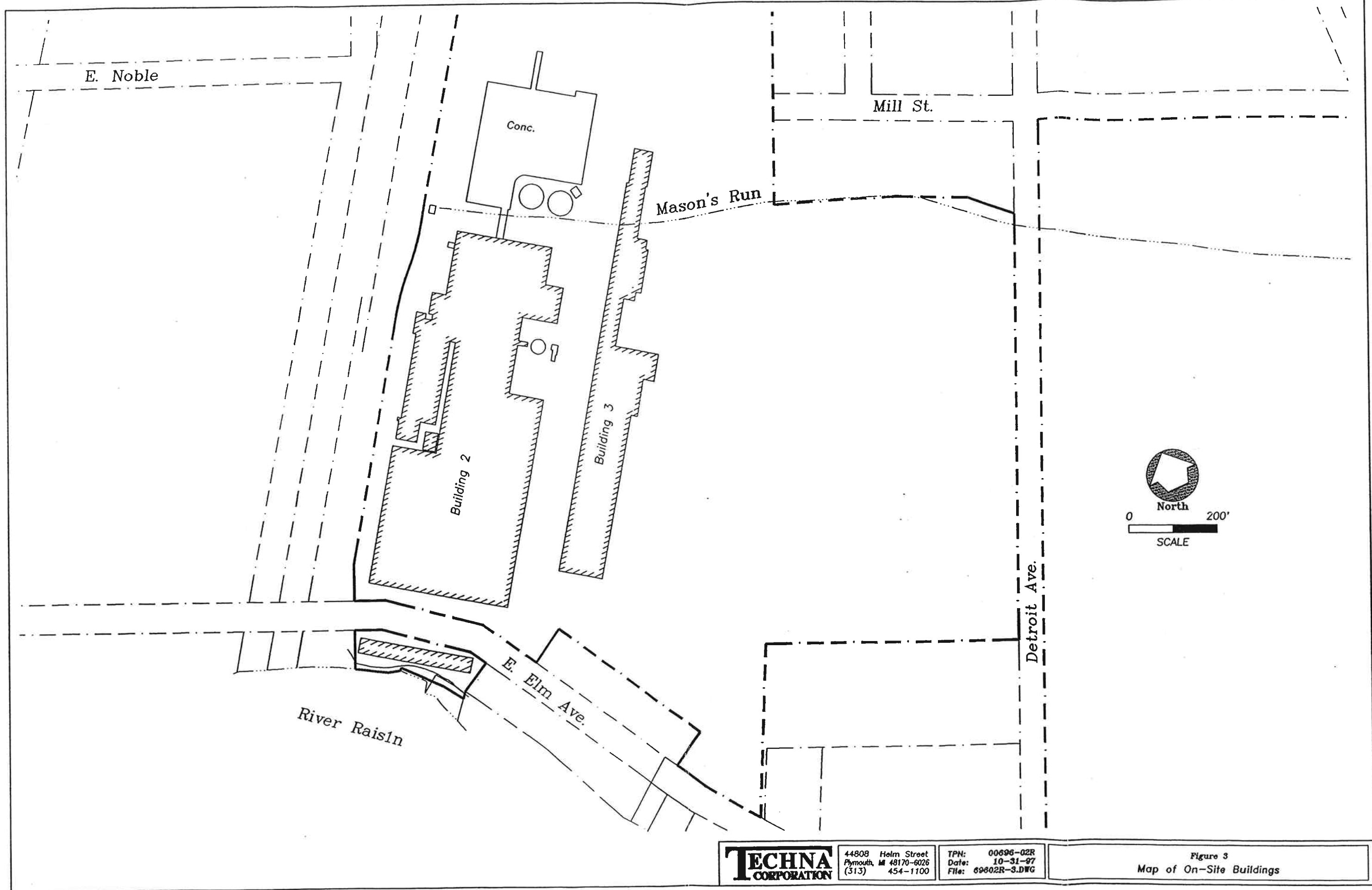


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CORPORATION

44808 Helm Street
Plymouth, MI 48170-6026
(313) 454-1100

TPN: 00696-02R
Date: 1-19-98
File: 69602R-2.DWG

Figure 2
Site Diagram

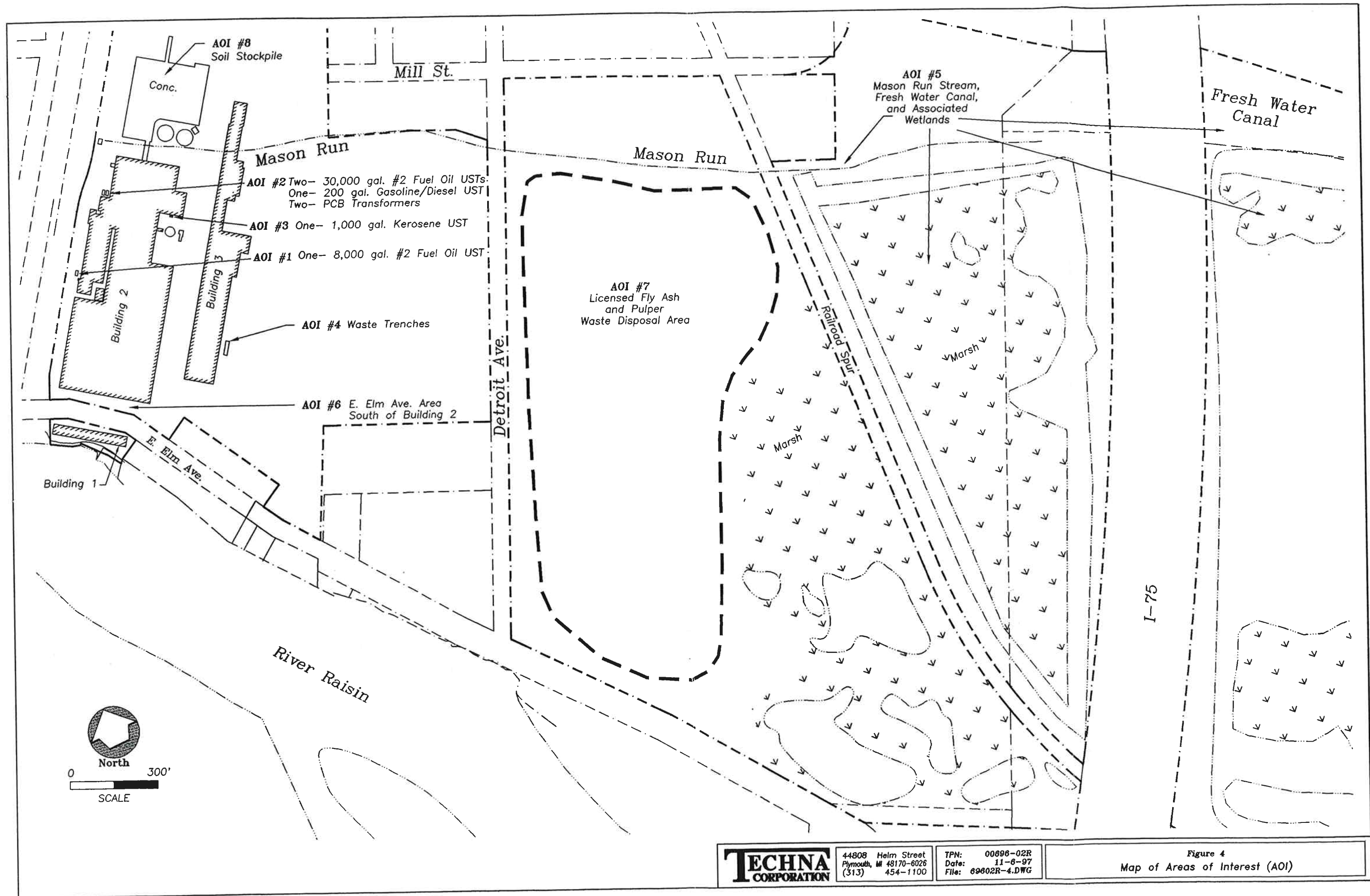


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CORPORATION

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(313) 454-1100

TPN: 00696-02R
Date: 10-31-97
File: 69602R-3.DWG

Figure 3
Map of On-Site Buildings



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TPN: 00898-02R
Date: 11-8-97
File: 69602R-4.DWG

Figure 4
Map of Areas of Interest (AOI)

This BEA report presents and evaluates information and data collected through environmental assessments of the property, states the intended future use of the property, and describes the bases for the present owner's exemption from liability for existing contamination. BEA protection under Part 201 of NREPA is being sought for of the entire property.

Techna Corporation's scope of work was based on Section 20126(1)(c) of *Part 201 of the Natural Resources and Environmental Protection Act*, 1994 PA 451, as amended, and MDEQ *Revised Interim Instructions for the Preparing and Submitting of Baseline Environmental Assessments to the Department of Environmental Quality* dated January 22, 1996, and *Addendum to the January 22, 1996 "Revised Interim Instructions for Preparing and Submitting Baseline Environmental Assessments"* dated January 30, 1997.

2.0 PROPERTY DESCRIPTION AND INTENDED HAZARDOUS SUBSTANCE USE

2.1 Property Location and Vicinity Characteristics

The property lies within Section 4, Township 7 South, Range 9 East, City of Monroe, County of Monroe, State of Michigan. Its location relative to surrounding communities is shown in Figure 1. Its boundaries (Figure 2) are irregular and discontinuous, extending north of the River Raisin and east of the Conrail/Grand Trunk Western Railroad tracks within the vicinity of North Dixie Highway. Light industrial and residential buildings are located to the north of the property and a Ford Motor complex lies immediately to the east. The City of Monroe is extensively developed with commercial, industrial, and residential building zones.

2.2 Property Description

The property (Figure 2) comprises approximately 350 acres of wooded land, wetlands, surface water channels, and vacated industrial buildings. The mean elevation of the property is approximately 575 feet above National Geodetic Vertical Datum. The topography is generally flat with surface drainage directed towards the Mason Run Stream and Fresh Water Canal.

The property is improved by three currently unoccupied buildings (Figures 2, 3 and 4). One of the buildings (Building 1) is located south of E. Elm Street and east of N. Dixie Highway near the northern bank of the River Raisin. The remaining two buildings (Buildings 2 and 3) are located on the northeast corner of the N. Dixie Highway/E. Elm Street intersection. These buildings comprised a portion of the former East Mill Complex which was used for the production of paper products. A list of areas within the complex identified by their former functional uses, and plan view maps designating the locations of the areas, are presented in Appendix A.

A formerly operational industrial waste disposal area (Figure 4) is located north of E. Elm Avenue, south of the Mason Run Stream, west of a railroad spur, and immediately east of Detroit Avenue. This area was licensed for the disposal of fly ash from former coal-fired boiler operations and later

for disposal of nonhazardous industrial wastes associated with the East Mill Complex's recycled paper manufacturing operations.

At least 165 acres of wetlands composed of marsh, small ponds and streams lie to the east of the former waste disposal area. The wetlands occupy a portion of the subject property located between Detroit Avenue and Interstate Highway I-75. The wetlands occupy a large portion of the property east of I-75, and extend beyond the subject property's eastern border defined by Cooley Creek (Figure 2). Ford Motor Company property lies immediately east of Cooley Creek and south of the property's Fresh Water Canal.

Two open water channels, the Mason Run Stream and Fresh Water Canal, lie within the property's borders (Figure 2). East of Detroit Avenue the Mason Run Stream flows to the southeast along the property's northern border, and changes to a more southerly direction as it approaches Cooley Creek. The Mason Run Stream is presently obscured beneath flooded wetlands east of I-75. The Fresh Water Canal flows to the southeast across the northern border of the property east of I-75. Approximately 7,575 feet of the canal extends beyond Cooley Creek until it empties into Lake Erie, forming an appendage or arm of the property. Ford Motor Company (Ford) has remediated and reclaimed wetland areas east of Cooley Creek. Ford conducted these activities in response to releases associated with their facility and negative environmental impacts associated with construction activities in wetland areas. The wetlands and surface water bodies within and extending beyond the property's borders are hydrologically interconnected.

A complete legal description of the property is presented in Attachment C. The property tax identification numbers for the individual parcels comprising the property are 58-55-59-01882-000; 58-55-59-01892-000; 58-55-59-01892-007; 58-55-59-01900-000; 58-55-59-01900-005; 58-55-59-01900-006; 58-55-59-01900-008; 58-55-59-01903-000; 58-55-59-01904-000; 58-55-59-01892-006; and, 58-55-59-01900-003.

2.3 Regional and Property Geology

Surficial unconsolidated glacial till deposits occur over much of the Monroe area. The till consists predominantly of unstratified clay with varying amounts of silt, sand, and gravels. Soils within this formation tend to be very poorly drained. The glacial deposit is underlain by bedrock consisting of limestone, dolomite, and shale.

Hydrogeologic investigations of the western portion of the property were performed by Quality Environmental Professionals, Inc. (QEPI) in 1994, 1995, and 1996. Fill material, consisting of sand and gravel containing brick and coal debris, was encountered from one to five feet below ground level (BGL). The fill material overlaid native clay with discontinuous sand lenses to a maximum depth of 16 feet BGL. Limestone and shale bedrock were encountered between 9.5 feet and 16 feet BGL, beneath the near-surface fill materials and clay/sand stratum. Discontinuous shallow groundwater was reported at depths of three to five feet BGL in the near-surface unconsolidated materials. An underlying confined aquifer was indicated within the upper one to five feet of the bedrock unit. Additional hydrogeological information is presented in Appendix D (*Hydrogeologic Investigation, East Mill*, QEPI, June 14, 1996).

2.4 Intended Hazardous Substance Use

No hazardous substance use is anticipated beyond that normally associated with residential communities and typical office/commercial operations.

3.0 KNOWN CONTAMINATION

The available environmental assessment data collected from the subject property was reviewed and evaluated to determine the presence of hazardous substances in environmental media at the property. Results from this activity revealed the presence of contamination in eight areas of the property. These areas have been defined as environmental areas of interest (AOI) for purposes of discussion in this BEA report.

Surface and/or subsurface contamination confirmed through environmental assessment activities is discussed below for each AOI. Most of the information presented below was derived from reports of environmental assessments conducted by QEPI. QEPI performed subsurface investigative and UST closure activities during July, August, and September of 1994, February through July of 1995, and March of 1996 (Appendix D). Petroleum hydrocarbon and/or metal impacted soil and groundwater were confirmed in the vicinities of former regulated and unregulated underground storage tanks (USTs) and one above ground storage tank (AST) at various locations surrounding Building #2 of the former East Mill Complex and along East Elm Avenue (AOI-1, AOI-2, AOI-3, and AOI-6). Tables 4 through 12 of QEPI's report (Appendix D) summarize laboratory results for soil and groundwater samples collected within the above referenced AOIs. References for other data used below are indicated within the specific discussions.

Specific chemicals whose measured concentrations exceeded MDEQ default residential use criteria are presented in each AOI section. Identified samples with the highest reported analyte concentrations are shown in parentheses. AOI locations on the property are shown in Figure 4. A summary of contaminant classes detected in each AOI is presented in Table 1.

TABLE 1
Summary of MDEQ Default Residential Use Criteria Exceedences

| AOI | Contaminant | Groundwater or Surface Water * Samples | | | | Soil, Sediment**, & Waste Stream*** Samples | | |
|---------|-------------|--|------------------|------------------|------------------|---|-----------------|------------------|
| | | DW ¹ | VIA ⁴ | GSI ¹ | GCC ² | 20 times DW ¹ | DC ¹ | DBG ³ |
| Numbers | Classes | | | | | | | |
| | VOCs | | | | | X | | |
| | PAHs | X | | | X | X | | |
| AOI-1† | Metals | | | X | | | | |
| | VOCs | X | X | X | X | X | | |
| | SVOCs | X | | X | | | | |
| AOI-2 | PAHs | | | | | X | | |
| | Metals | X | | X | | | X | X |
| | | | | | | | | |
| | Sulfate | X | | X | | | | |
| AOI-3‡ | PAHs | | | | | X | | |
| | Metals | | | | | | X | X |
| AOI-4 | VOCs | | | | | X | | |
| | Metals | X | | X | | X | | X |
| AOI-5 | Metals | | | | | | X** | X** |
| | PCBs | | | | | | | |
| AOI-6 | Metals | | | | | | X | X |
| | SVOCs | | | | | X*** | | |
| AOI-7 | Metals | X/X*** | | X*** | | | | |
| | Sulfate | X* | | | | | | |
| | | | | | | | | |
| | Ammonia | | | X/X* | | | | |
| AOI-8 | VOCs | | | | | | | |
| | PAHs | | | | | | | |

¹ MDEQ Interim Environmental Response Division Operational Memorandum #8, Revision 4 (June 5, 1995)

DW = Residential Drinking Water Criteria

DC = Residential Direct Contact Criteria

GSI = Groundwater/Surface Water Interface Criteria

² MDEQ Generic Groundwater Contact Criteria: Technical Support Document (January 17, 1997)

GCC = Groundwater Contact Criteria

³ MDEQ MERA Operational Memorandum #15 (September 30, 1993)

DBG = Default Background Soil Values

⁴ Draft MDEQ Interim Generic Groundwater Contact Criteria For Utility Workers In Urban Areas (April 12, 1996)

VIA = Residential Groundwater Volatilization to Indoor Air Screening Criteria

* Surface Water Samples ** Stream Sediment Samples *** Waste Stream Samples

† Free Phase Petroleum Product was encountered in groundwater at AOI-1

‡ Free Phase Petroleum Product was encountered in soil at AOI-3

AOI-1

AOI-1 contained a former 8,000-gallon UST that held #2 fuel oil. The location of the former tank and associated soil borings and observation wells are presented in Figure 4 of Appendix D.

Impacted Soil

The following contaminants were measured in soil at concentrations greater than MDEQ default residential use criteria (20 times residential drinking water (DW) criteria based on the MDEQ *Interim Environmental Response Division Operational Memorandum #8, Revision 4* (Op. Memo #8) issued June 5, 1995):

- benzene (B19: 140 $\mu\text{g/kg}$)
- acenaphthylene (B12: 1,700 $\mu\text{g/kg}$)
- fluoranthene (B12: 25,000 $\mu\text{g/kg}$)
- naphthalene (B12: 15,000 $\mu\text{g/kg}$)
- phenanthrene (B19: 5,400 $\mu\text{g/kg}$)

Impacted Groundwater

Results of laboratory analyses revealed the presence of the following chemicals at levels above MDEQ default residential use criteria (DW and groundwater/surface water interface (GSI) criteria based on Op. Memo #8 and/or generic groundwater contact criteria (GCC) based on the MDEQ ERD *Generic Groundwater Contact Criteria: Technical Support Document* issued January 17, 1997):

- benzo(a)anthracene (MW19: 610 $\mu\text{g/l}$) - above DW and GCC
- benzo(a)pyrene (MW19: 70 $\mu\text{g/l}$) - above DW and GCC
- chrysene (MW19: 960 $\mu\text{g/l}$) - above DW

- fluoranthene (MW19: 4,800 µg/l) - above DW
- fluorene (MW19: 2,100 µg/l) - above DW
- phenanthrene (MW19: 3,800 µg/l) - above DW
- pyrene (MW19: 680 µg/l) - above DW
- cadmium (MW19: 0.82 µg/l) - above GSI
- silver (MW19: 0.27 µg/l) - above GSI.

Free phase petroleum hydrocarbons were reported in groundwater observation well MW19 (Appendices D and E). This material is understood to be a fuel oil.

AOI-2

AOI-2 is an area containing 1) two 30,000-gallon #2 fuel oil USTs which have been closed in place, 2) one empty 200-gallon gasoline and/or diesel AST, and 3) two polychlorinated biphenyl (PCB) containing electrical transformers. Figure 3 of Appendix D presents soil boring and observation well locations in and around AOI-2.

Impacted Soil

The following contaminants were measured in soil at concentrations greater than MDEQ default residential use criteria (20 times DW and residential direct contact (DC) criteria based on Op. Memo #8 and/or MDEQ default background soil criteria (DBG) based on *MERA Operational Memorandum #15* issued September 30, 1993):

- benzene (B21: 260 µg/kg) - above 20 times DW
- phenanthrene (MW2: 530 µg/kg) - above 20 times DW
- arsenic (B36/B38: 16,000 µg/kg) - above DBG and DC
- barium (B37: 140,000 µg/kg) - above DBG
- chromium (B38: 120,000 µg/kg) - above DBG
- lead (B36: 160,000 µg/kg) - above DBG

- mercury (B36: 150 µg/kg) - above DBG
- zinc (B36: 150,000 µg/kg) - above DBG

PCBs, as Aroclor 1260, were detected in one soil sample (410 µg/kg), but at a concentration below applicable MDEQ cleanup criteria.

Impacted Groundwater

The following compounds were measured in groundwater at concentrations greater than the indicated default residential use criteria (including residential groundwater volatilization to indoor air screening criteria (VIA) based on the draft *Interim Generic Groundwater Contact Criteria for Utility Workers in Urban Areas* issued April 12, 1996):

- benzene (MW21: 9,900 µg/l) - above DW, GSI, GCC, and VIA
- toluene (MW21: 7,700 µg/l) - above DW and GSI
- ethylbenzene (MW21: 190 µg/l) - above DW and GSI
- xylenes (MW21: 2,100 µg/l) - above DW and GSI
- arsenic (MW21: 19 µg/l) - above GSI
- cadmium (MW11: 12 µg/l) - above DW and GSI
- chromium (MW11: 360 µg/l) - above DW and GSI
- copper (MW11: 450 µg/l) - above GSI
- lead (MW11: 400 µg/l) - above DW and GSI
- selenium (MW1: 12 µg/l) - above GSI
- silver (MW11: 61 µg/l) - above DW and GSI
- zinc (MW4: 240 µg/l) - above GSI
- manganese (MW11: 2,400 µg/l) - above DW
- phenols (MW21: 30,000 µg/l) - above DW and GSI
- sulfate (MW11: 380,000 µg/l) - above DW and GSI

AOI-3

AOI-3 contains a 1,000-gallon kerosene UST which has been closed in place. The locations of soil borings, observation well, and other pertinent structures relative to the UST are presented in Figure 6 of Appendix D.

Soil at AOI-3 was found to contain the following contaminants at concentrations above the indicated default residential use criteria:

- phenanthrene (B5: 3,100 µg/kg) - above 20 times DW
- arsenic (SP2: 38,000 µg/kg) - above DBG and DC
- barium (B35: 120,000 µg/kg) - above DBG
- chromium (B35: 29,000 µg/kg) - above DBG
- zinc (B35: 58,000 µg/kg) - above DBG.

Free phase petroleum product (gasoline and diesel hydrocarbons indicated by fuel scan) was observed in soils (B5 and B6) between 4 feet and 5 feet BGL at this AOI (Appendix D).

AOI-4

AOI-4 is an area east of the south end of Building #3 where disposal of containers containing glues, inks, and resins was alleged to have occurred in trenches and/or pits. The Chester Engineers conducted a subsurface investigation of this area in May 1989 (*Results of Preliminary Sampling of Waste Disposal Pits*, The Chester Engineers, July 13, 1989; Appendix F). A composite sample of groundwater contained the following compounds at levels above the indicated default residential use criteria:

- cadmium (Subsurface #1: 20 µg/l) - above DW and GSI
- copper (Subsurface #1: 220 µg/l) - above GSI
- lead (Subsurface #1: 70 µg/l)- above DW and GSI

- nickel (Subsurface #1: 160 µg/l) - above DW and GSI
- zinc (Subsurface #1: 600 µg/l) - above GSI.

The following compounds were detected in soil at levels above the indicated default residential use criteria:

- toluene (Subsurface #3: 320,000 µg/kg) - above 20 times DW
- trichloroethene (Subsurface #4: 1,000 µg/kg) - above 20 times DW
- chlorobenzene (Subsurface #3: 50,000 µg/kg) - above 20 times DW
- zinc (Subsurface #3: 400,000 µg/kg) - above DBG
- lead (Subsurface #4: 91,000 µg/kg) - above DBG.

An investigation conducted by Delta Environmental Consultants, Inc. (Delta) in March of 1997 (*Subsurface Investigation Summary*; Appendix F) also identified the following metal species in soils at levels greater than the indicated default residential use criteria:

- barium (GP-B: 99,000 µg/kg) - above DBG
- lead (GP-7: 39,000 µg/kg) - above DBG.

Delta reported the presence of volatile organic species in soil above laboratory detection limits, but less than applicable MDEQ cleanup criteria. Groundwater samples were not obtained during Delta's investigation.

AOI-5

AOI-5 encompasses the hydrologically connected Mason Run Stream, Fresh Water Canal, and associated wetlands (Figure 4). Contamination of these surface water bodies was confirmed in previous assessment reports.

A February 8, 1994 MDNR interoffice communication (Appendix G) indicated elevated arsenic, copper, lead, and zinc concentrations Mason Run Stream sediments. A March 1, 1994 Chester Environmental memorandum documented the following metal concentrations, greater than the indicated default residential use criteria, in Mason Run Stream sediments at various locations (Table 1, Attachment G):

- arsenic (11,000 µg/kg) - above DBG and DC
- chromium (22,000 µg/kg) - above DBG
- copper (105,000 µg/kg) - above DBG
- lead (147,000 µg/kg) - above DBG
- mercury (180 µg/kg) - above DBG
- nickel (26,000 µg/kg) - above DBG
- selenium (1,100 µg/kg) - above DBG
- zinc (300,000 µg/kg) - above DBG.

An August 9, 1994 MDNR letter to the former property owner, Jefferson Smurfit Corporation, indicated that elevated arsenic, copper, lead, and zinc concentrations had been confirmed in sediment samples collected within the Mason Run Stream. PCB contamination within the general outlet area of Mason Run at the River Raisin was also documented in the MDNR letter (Appendix G). Jefferson Smurfit Corporation received a November 2, 1993 Notice of Noncompliance (NNC) for failing to comply with the terms and conditions of their National Pollutant Discharge Elimination System Permit No. MI0002046. (Appendix G). Negative impact to the Mason Run Stream's aquatic life were documented within the NNC.

Negative environmental impacts to sediments and the surface waters of the Fresh Water Canal and wetlands from off-site sources have been confirmed. Elevated levels of metals have been identified within the sediments and surface waters of both the Fresh Water Canal on the subject property and West Marsh on the Ford Motor Company property, located immediately east of the subject property. Tables of surface water and sediment laboratory analyses results, as well

as a Ford Motor Company Public Notice outlining canal and wetland remediation and reclamation activities are presented in Appendix G.

AOI-6

QEPI collected soil samples for laboratory analyses from an area (AOI-6 in Figure 4) immediately north of East Elm Avenue and south of Building #2 of the East Mill Complex. These samples were collected during QEPI's investigations at AOI-1, AOI-2, and AOI-3. Results of laboratory analyses revealed the presence of the following contaminant species at levels above the indicated default residential use criteria:

- arsenic (SB8: 24,000 µg/kg) - above DBG and DC
- barium (SB8: 120,000 µg/kg) - above DBG
- chromium (SB9: 25,000 µg/kg) - above DBG
- zinc (SB8: 66,000 µg/kg) - above DBG.

AOI-7

AOI-7 (Figure 4) was licensed for the disposal of fly ash from former coal-fired boiler operations and later for the disposal of nonhazardous waste products from the recycled paper manufacturing processes. Surface water, groundwater, and solid waste assessments were performed by Jefferson Smurfit Corporation. Summary results presented below are based on the following documents presented in Appendix I: September 10, 1993, January 5, 1995 and July 28, 1995 Data Release Letters, Jefferson Smurfit Corporation, and *December 1996 Quarterly and Background Monitoring Results*, Jefferson Smurfit Corporation, January 23, 1997.

Results of laboratory analyses of waste stream samples (ash, plastic, and paper) revealed the presence of the following chemicals at concentrations greater than the indicated default residential use criteria:

- Toxicity Characteristic Leaching Procedure (TCLP) for barium (#5 Plastic & Paper: 4,900 $\mu\text{g/l}$) - above DW
- TCLP copper (#7 Plastic & Paper: 1600 $\mu\text{g/l}$) - above DW and GSI
- TCLP lead (#7 Plastic & Paper: 800 $\mu\text{g/l}$) - above DW and GSI
- TCLP nickel (Pulp Waste #1: 71 $\mu\text{g/l}$) - above DW and GSI.
- TCLP zinc (Pulp Waste #2: 7,400 $\mu\text{g/l}$) - above DW and GSI
- boron (#2 Ash: 38,000 $\mu\text{g/kg}$) - above 20 times DW
- hexachloroethane (#1 Plastic & Paper: 4,700 $\mu\text{g/kg}$) - above 20 times DW
- hexachlorobenzene (#5 Plastic & Paper: 3,400 $\mu\text{g/kg}$) - above 20 times DW
- 2-nitrophenol (#7 Plastic & Paper: 2,000 $\mu\text{g/kg}$) - above 20 times DW
- pentachlorophenol (#5 Plastic & Paper: 4,900 $\mu\text{g/kg}$) - above 20 times DW
- phenols (#7 Plastic & Paper: 160,000 $\mu\text{g/kg}$) - above 20 times DW.

These results are indicative of the levels of hazardous substances suspected to be present in disposal materials currently present in AOI-7 (disposal area).

The following compounds were measured in groundwater and surface water at levels greater than the indicated default residential use criteria at various locations around the disposal area (Appendix I: Figure 1 in *December 1996 Quarterly and Background Monitoring Results*, Jefferson Smurfit Corporation, January 23, 1997):

Groundwater

- manganese (AO7U: 56 $\mu\text{g/l}$) - above DW
- ammonia (AO3D: 400 $\mu\text{g/l}$) - above GSI
- sulfate (AO3D: 1,600,000 $\mu\text{g/l}$) - above DW.

Surface Water

- ammonia (SW4: 560 $\mu\text{g/l}$) - above GSI
- sulfate (SW4: 1,200,000 $\mu\text{g/l}$) - above DW.

AOI-8

AOI-8 (Figure 4) is an area of stockpiled soil (approximately 3,500 cubic yards) removed from off-site sump/UST excavations and deposited on the subject property. A May 28, 1997 Huff & Huff Inc. draft letter addressed to the MDEQ documenting background information and location of the stockpiled soil is presented in Appendix H.

Analysis results (Appendix H: Table 1) for discrete soil samples collected from the soil stockpile indicated the presence of VOCs and PAHs at concentrations below MDEQ residential cleanup criteria. However, the number of soil samples may not have been sufficient to adequately characterize contaminant concentrations within the excavated soil.

3.1 Chemical Abstract Service Numbers

The Chemical Abstract Service Numbers (CAS#s) of all the substances known to have impacted the property are listed in Table 2.

TABLE 2
CAS NUMBERS OF KNOWN CONTAMINANTS

| Chemical Name | CAS # |
|-----------------|-----------|
| METALS | |
| Arsenic | 7440-38-2 |
| Barium | 7440-39-3 |
| Boron | 7440-42-8 |
| Cadmium | 7440-43-9 |
| Chromium | 7440-43-7 |
| Copper | 7440-50-8 |
| Lead | 7439-92-1 |
| Manganese | 7439-96-5 |
| Mercury | 7439-97-6 |
| Nickel | 7440-02-0 |
| Selenium | 7782-49-2 |
| Silver | 7440-22-4 |
| Zinc | 7440-66-6 |
| VOCs | |
| Benzene | 71-43-2 |
| Toluene | 108-88-3 |
| Ethylbenzene | 100-41-4 |
| Xylenes | 1330-20-7 |
| Trichloroethene | 79-01-6 |

TABLE 2 (cont'd)
CAS NUMBERS OF KNOWN CONTAMINANTS

| Chemical Name | CAS # |
|------------------------|------------|
| SVOCs/PAHs | |
| Acenaphthylene | 208-96-8 |
| Benzo(a)anthracene | 56-55-3 |
| Benzo(a)pyrene | 50-32-8 |
| Chlorobenzene | 108-90-7 |
| Chrysene | 218-01-9 |
| Fluoranthene | 206-44-0 |
| Fluorene | 86-73-7 |
| Hexachlorobenzene | 118-74-1 |
| Naphthalene | 91-20-3 |
| PCBs | Multiple |
| Pentachlorophenol | 87-86-5 |
| Pyrene | 129-00-0 |
| Phenanthrene | 85-01-8 |
| Phenol | 108-95-2 |
| 2,4,6- Trichlorophenol | 88-06-2 |
| 2-Nitrophenol | 88-75-5 |
| INORGANICS | |
| Sulfate | 14808-79-8 |
| Ammonia | 7664-41-7 |

4.0 LIKELIHOOD OF OTHER CONTAMINATION

The subject property has been used for industrial purposes for many decades. Investigative activities conducted prior to Homrich Incorporated's acquisition of the property included analyses for PCBs, metals, VOCs, SVOCs/PAHs, sulfates, and ammonia. Although these indicator parameters were appropriate for identification of significant impacts from industrial activities, other contaminants arising from the same sources may be present. Furthermore, the property has not been fully characterized to identify all likely locations and sources of potential contamination. The industrial history of the property makes the presence of contaminants in other locations likely.

One specific potential source of contaminants is a former 8,000 gallon lacquer UST located at the southeast corner of Building #2 of the former East Mill Complex (Figure 4). The release assessment at time of closure only included analyses for total petroleum hydrocarbons (TPH). Historical releases of VOCs (e.g. ketones, aliphatic hydrocarbons, and aromatic hydrocarbons) and other contaminants from this tank cannot be ruled out.

5.0 CONCLUSIONS

Metals, VOCs, SVOCs/PAHs, ammonia, and sulfate were detected above MDEQ default residential use criteria in several areas of the property. Therefore, the property described in Section 2.2 meets the definition of facility as defined in Part 201 of Michigan Act 451 of 1994. The nature and extent of the impact on the property indicate that the sampling results are likely indicative of general levels of metals, VOCs, SVOCs/PAHs, ammonia, and sulfate on the property.

No hazardous substances will be used as part of future property development by the current owner beyond that normally associated with residential communities and standard office operations. The information presented herein is therefore sufficient to provide a basis for distinguishing future contamination of the property from the contamination existing at time of purchase.

6.0 REFERENCES

Revised Interim Instructions for Preparing and Submitting Baseline Environmental Assessments to the Department of Environmental Quality, Michigan Department of Environmental Quality, January 22, 1996.

Addendum to the January 22, 1996 "Revised Interim Instructions for Preparing and Submitting Baseline Environmental Assessments", January 30, 1997.

Interim Environmental Response Division Operational Memorandum #8, Revision 4: Generic Residential Site Clean-up Criteria, Environmental Response Division, Michigan Department of Environmental Quality, June 5, 1995.

MERA Operational Memorandum #15: Default Type A Cleanup Criteria, Environmental Response Division, Michigan Department of Environmental Quality, September 30, 1993.

Generic Groundwater Contact Criteria: Technical Support Document, Environmental Response Division, Michigan Department of Environmental Quality, January 17, 1997.

Draft Interim Generic Groundwater Contact Criteria: Addendum to Interim Operational Memorandum #8, Revision 4 (June 5, 1995) and #14, Revision 2 (June 6, 1995), Environmental Response Division, Michigan Department of Environmental Quality, April 12, 1996:

Environmental Site Assessment (Physical Walk-Through) of Monroe Paper Company, Gary J. Davis, July 10, 1991.

Hydrogeologic Investigation, East Mill, Quality Environmental Professionals, Inc., June 14, 1996.

Quarterly Progress Report, Jefferson Smurfit East Mill, Quality Environmental Professionals, Inc., June 19, 1997.

Results of Preliminary Sampling of Waste Disposal Pits, The Chester Engineers, July 13, 1989.

Subsurface Investigation Summary, Delta Environmental Consultants, Inc., April 11, 1997.

River Raisin and Mason Run Sediment Sampling, Michigan Department of Natural Resources (MDNR) Interoffice Communication, February 8, 1994.

Jefferson Smurfit Mason Run Remediation, Chester Environmental memorandum, March 1, 1994.

Work Plan for Evaluation of Ash Content in Mason Run, MDNR Interoffice Communication, August 9, 1994.

Notice of Noncompliance No. 11-93-04-017D, MDNR, November 2, 1993.

Response to Notice of Noncompliance, Jefferson Smurfit Corporation letter, November 23, 1993.

Ford Motor Wet-land Remediation in Monroe, MI, Jefferson Smurfit Corporation Interoffice Memorandum, October 14, 1994.

Public Notice, MDNR, September 23, 1994.

Jefferson Smurfit Corporation, East Mill Site, Huff & Huff Inc.'s Draft Letter to the Michigan Department of Environmental Quality Concerning the Disposition of Stockpiled Soil, May 28, 1997.

Data Release Letters, Jefferson Smurfit Corporation, September 10, 1993, January 5, 1995 and July 28, 1995.

December 1996 Quarterly and Background Monitoring Results, Jefferson Smurfit Corporation, January 23, 1997.

7.0 IDENTIFICATION OF AUTHOR AND DATE OF BEA COMPLETION

Techna Corporation prepared this BEA on behalf of Homrich Incorporated for the property at 1205 East Elm Street, City of Monroe, County of Monroe, State of Michigan as described in Section 2.2 of this report. Techna Corporation's scope of work was based on Section 20126 (1)(c) of *Part 201 of the Natural Resources and Environmental Protection Act* (NREPA), 1994 PA 451, as amended, the MDEQ *Revised Interim Instructions for the Preparing and Submitting of Baseline Environmental Assessments* dated January 30, 1997, and the MDEQ *Addendum to the January 22, 1996 "Revised Interim Instructions for Preparing and Submitting Baseline Environmental Assessments"* dated January 30, 1997. This BEA, including all data collection dates, conclusion, and report preparation, was substantially completed on November 4, 1997 under the direction of Dr. James M. Harless, CHMM. Final report edits and document production were completed on January 27, 1998.

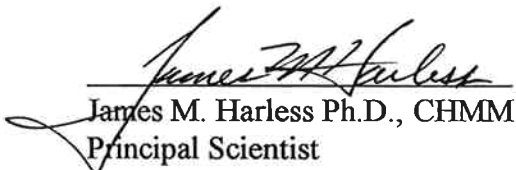
TECHNA CORPORATION

James M. Harless Ph.D., CHMM
Principal Scientist

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TECHNA CORPORATION



James M. Harless Ph.D., CHMM
Principal Scientist

APPENDIX A

Areas and Plan View Maps of the Former East Mill Complex

SCHEDULE OF BUILDINGS - MILLS 3 & 4

| Building Number | Description | Dimensions | Year Built | Gross Area (sq. ft.) |
|------------------------|--|--|-------------------|-----------------------------|
| 40 | Engine Room - 1 High Story Brick, Steel Frame | 77'0" x 195'6" | 1918 | 15,054 |
| 41 | Engine Room - 1- High Story & Part Basement, Brick & Reinforced Concrete, Steel Frame | 62'0" x 81'0" 19'0" x 31'2" 9'3" x 30'3" | 1918 to 1929 | 7,429 |
| 41/A | Air Compressor & Switch House - 1-Story & Basement, Brick, Tile, Steel & Reinforced Concrete | 35'9" x 36'0" 14'0" x 21'0" | 1948 | 2,822 |
| 42 | Hydrapulper & Storage - 1-Story & Basement, Brick, Reinforced Concrete & Steel Frame | 85'0" x 222'0" | 1918 | 37,740 |
| 43 | Beater Room - 1-Story & Basement, Brick, Reinforced Concrete & Steel Frame | 86'0" x 262'8" | 1918 | 45,178 |
| 44 | #3 Paper Machine Room - 1-Story & Part Basement, Brick, Reinforced Concrete & Steel Frame | 43'0" x 481'0" | 1918 | 36,206 |
| 44/A | Passage - 1-Story, Brick, Wood Frame | 22'0" x 25'0" | 1918 | 550 |
| 44/B | Heater Room - 1-Story, Brick, Steel Frame | 25'9" x 25'9" | 1923 | 663 |
| 45 | #4 Paper Machine Room - 1-Story & Part Basement, Brick, Reinforced Concrete & Steel Frame | 43'0" x 481'0" | 1918 | 35,303 |
| 45/A | Heater Room - 1-Story, Brick, Concrete, Steel Frame | 24'0" x 25'6" | 1922 | 612 |
| 46 | Jordan Room- 1-Story & Basement, Brick, Reinforced Concrete & Steel Frame | 57'0" x 81'0" | 1918 | 9,234 |
| 47 | Paper Machine/Engine Room - 1-Story, Brick, Steel Frame | 26'0" x 57'0" | 1918 | 1,482 |
| 47/A | Control Room - 1-Story, Brick, Steel Frame | 21'0" x 27'0" | 1918 | 567 |
| 47/B | Control Room - 1-Story, Brick, Steel Frame | 21'0" x 27'0" | 1918 | 567 |
| 48 | Passage - 1-Story, Brick, Wood Frame | 22'0" x 57'0" | 1918 | 1,254 |
| 48/A | Factory Office - 1-Story, Brick, Wood Frame | 11'0" x 27'0" | 1918 | 297 |
| 48/B | Wash & Toilet Room - 1-Story, Brick, Wood Frame | 21'0" x 27'0" | 1963 | 567 |
| 49 | Laminating Room - 1-High Story, Brick, Steel, Reinforced Concrete & Wood Frame | 74'0" x 212'0" | 1918 | 15,688 |
| 49/A | Heater Room - 1-High Story, Brick, Steel Frame | 21'0" x 27'0" | 1918 | 567 |
| 49/B | Heater Room - 1-High Story, Brick, Steel Frame | 21'0" x 27'0" | 1918 | 567 |
| 50 | Shipping Room - 1-High Story, Brick, Steel Frame | 74'0" x 142'0" | 1918 | 10,508 |

SCHEDULE OF BUILDINGS - MILLS 3 & 4 CONTINUED

| Building Number | Description | Dimensions | Year Built | Gross Area (sq. ft.) |
|------------------------|--|---------------------------------|-------------------|-----------------------------|
| 51 | Factory Office, Passage & Toilet - 1-Story, Brick, Steel & Wood Frame | 20'0" x 52'0" | 1918 | 1,040 |
| 52 | Box Factory - 1-High Story, Brick, Steel Frame | 86'0" x 322'0" | 1918 | 27,692 |
| 53 | Passage & Die Room - 1-High Story, Brick, Steel Frame | 18'0" x 59'0" | 1918 | 1,062 |
| 54 | Box Slotting, Storage & Shipping - 1-Story, Brick, Steel & Reinforced Concrete Frame | 62'0" x 193'0" | 1918 | 11,966 |
| 54/A | Passage - 1-Story, Brick, Steel & Reinforced Concrete | 18'0" x 20'0" | 1918 | 360 |
| 55 | Machine Shop - 1-Story, Brick, Steel & Reinforced Concrete | 62'0" x 182'0" | 1918 | 11,284 |
| 55/A | Office & Passage - 1-Story, Brick, Steel & Reinforced Concrete | 18'0" x 33'6" | 1918 | 603 |
| 56 | Filter & Electrical Repair - 1-Story & Part Basement, Brick, Reinforced Concrete & Wood Frame | 34'0" x 91'0" | 1918 | 4,447 |
| 56/A | Water Filter Pump Room - 1-Story & Basement, Brick, Reinforced Concrete & Wood Frame | 34'0" x 34'0" | 1918 | 2,312 |
| 57 | Water Filter, Sample Room, First Aid and Laboratory with Fire Pump Room - 1-Story & - Basement, Brick, Reinforced Concrete & Wood Frame | 18'0" x 14'0" 34'0" x 131'4" | 1918 | 9,182 |
| 58 | Supply Room - 1-Story & Basement, Frame | 18'0" x 148'9" | 1920 | 2,678 |
| 59 | Storage - 1-Story, Brick & Concrete | 7'8" x 10'6" | 1918 | 81 |
| 60 | Waste Water Pump House - 1-Story & Pit, Concrete, Wood Frame | 7'0" x 14'0" | 1930 | 98 |
| 60/A | Waste Water Pump House - 1-Story & Pit, Brick & Reinforced Concrete Pit Superstructure | 11'3" x 11'10" 9'4" x 11'3" | 1947 | 266 |
| 61 | Chemical House - 1-Story & Basement, Brick, Steel & Reinforced Concrete | 15'6" x 17'6" | 1947 | 542 |
| 61/A | Clarator Basin - 1-Story, Reinforced Concrete | 50'0" diameter x 15'0" high | 1947 | 2,083 |
| Total | | | | 298,551 |

SCHEDULE OF BUILDINGS - MILL 5

| Building Number | Description | Dimensions | Year Built | Gross Area (sq. ft.) |
|-----------------|---|---|------------|----------------------|
| 75 | Laminating & Box Plant - 1-Story & Basement, Brick, Reinforced Concrete, Steel Frame | 100'0" x 401'0" | 1918 | 80,200 |
| 76 | Roll Paper Storage - 1-Story, Brick, Reinforced Concrete, Steel Frame | 100'0" x 61'2" | 1920 | 12,234 |
| 77 | Machine Room - 1-Story & Basement, Brick, Reinforced Concrete, Steel Frame | 38'0" x 301'8" 36'8" x 101'8" | 1920 | 30,382 |
| 78 | Heater Room - 1-Story, Brick, Reinforced Concrete, Steel Frame | 19'8" x 23'6" | 1920 | 463 |
| 79 | Millwright Room - 1-Story, Brick, Reinforced Concrete, Steel Frame | 20'0" x 23'6" | 1920 | 470 |
| 80 | Beater Room - 1-Story & Basement, Brick, Reinforced Concrete, Steel Frame | 42'9" x 138'7" | 1920 | 11,848 |
| 81 | Stock Room - 1-Story, Brick, Reinforced Concrete, Steel Frame | 46'6" x 80'0" | 1920 | 3,720 |
| 82 | Rotary Room - 2-Story, Brick, Reinforced Concrete, Steel Frame | 50'0" x 104'0" | 1920 | 10,400 |
| 83 | Lime House - 1-Story, Brick, Reinforced Concrete, Steel Frame | 22'3" x 71'8" | 1920 | 1,595 |
| 83/A | Straw Conveyor Building - 1-Story, Wood, Concrete, Steel Frame | 25'0" x 103'0" 15'3" x 40'6" | 1920-1942 | 3,193 |
| 84 | Silicate Plant & Storage Tanks - 1-Story, Brick, Metal Clad, Steel Frame Two Tanks Addition | 80'0" x 102'0" 32'0" diameter 15'0" x 25'6" | 1920 | 10,151 |
| 84/A | Sand & Soda Ash Storage - 1-Story, Concrete, Metal Clad, Steel Frame | 27'3" x 40'3" | 1920 | 1,097 |
| 85 | Garage - 1-Story, Frame | 16'8" x 152'0" | 1919 | 2,533 |
| 86 | Watchmen House - 1-Story, Frame | 12'4" x 12'4" | 1920 | 152 |
| 87 | Scale House - 1-Story, Brick Veneer, Wood Frame | 12'0" x 14'0" | 1943 | 168 |
| 88 | Roll Storage Warehouse - 1-Story, Quonset | 61'6" x 100'0" 13'6" x 87'0" | 1949 | 7,325 |
| Total | | | | 175,931 |

Source: Jefferson Smurfit Corporation

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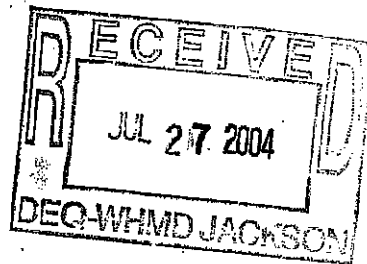
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Timothy J. Mitchell, PE
Daniel O. Roeser, PG
John C. Zarzecki, CWI, CDT

July 22, 2004

Mr. Roger Homrich
Homrich Incorporated
200 Matlin Road
Carleton, Michigan 48117



**RE: Report of Landfill Delineation Activities
Performed in Response to MDEQ Comments
Former Jefferson Smurfit Landfill
Monroe, Michigan
SME Project Number: PE46643-01**

Dear Mr. Homrich:

Soil and Materials Engineers, Inc. (SME) has completed the landfill and stratigraphic delineation activities at the above referenced site (Figure 1) in Monroe, Michigan (hereinafter referred to as Property). These activities were conducted in response to MDEQ concerns described in Item 1 of the February 27, 2004 letter from Mr. Patrick Brennan to Mr. Roger Homrich of Homrich Incorporated (Homrich).

The objectives of this project were to verify the defined extent of industrial fill (as defined by the presence of pulper waste mixed with coal ash), previously defined by Homrich, determine the elevation of the top of the native clay layer below the industrial fill area, and verify the existence of at least two feet of native clay layer beneath the industrial fill area.

SCOPE OF SERVICES

The objectives of the project were accomplished through implementation of the following tasks:

- Excavate 28 test pits at ≤ 100 -foot intervals around the perimeter of the industrial waste disposal area to verify the disposal area boundaries.
- Install 32 soil probes around the perimeter of and through the industrial fill area to evaluate determine elevation and thickness of the native clay layer.
- Survey the locations and ground surface elevations at soil probe and test pit locations.
- Prepare a summary report.

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FIELD PROCEDURES

Test Pits for Delineation of Industrial Waste Boundaries

Homrich Construction of Carleton, Michigan excavated the test pits using a tracked excavator. SME was onsite to observe and guide test pit excavations and to document findings.

Twenty eight test pits (TP1 through TP28; Figure 2) were excavated at ≤ 100 -foot intervals around the perimeter of the industrial landfill area to verify the waste boundaries. Homrich previously defined the perimeter of the industrial landfill using test pitting techniques.

A four-foot wide test pit was excavated to a depth of approximately six to eight feet below grade at the presumed industrial waste boundary at each test location (extrapolated from driven steel markers installed by Homrich). If pulper waste, evidenced by the presence of plastic and other pulper insolubles, was identified in the fill material visible on the walls of the trench, the trench was extended outward away from the landfill along an axis perpendicular to the landfill boundary. The trench was extended until the transition point between fill containing pulper waste and fill composed only of coal ash was identified. If pulper waste was not observed in the initial test pit, the test trench was extended inward toward the landfill until pulper waste was encountered. The transition point between the industrial waste and surrounding coal ash fill in each test trench was marked with a driven steel rod.

The locations of the waste delineation markers were subsequently surveyed, as discussed below. Figure 2, in Attachment A shows the test pit locations and the revised pulper waste boundary.

Soil Probes for Clay Layer delineation

Twenty four soil probes (SP9 – SP32; Figure 2) were advanced around the perimeter of the Type III industrial waste landfill area, and eight probes (SP1 – SP8; Figure 2) were advanced in the interior of the landfill, to determine the depth to native clay and the thickness of the clay stratum. SME advanced soil probes using a truck mounted, direct push sampling rig. The soil probes were advanced to depths ranging from 8 to 18 feet below grade as needed to accomplish the task objectives. SME field staff observed soil probe sampling, and documented the field activities.

Continuous soil samples from were obtained each soil boring using a 1-3/8 inch outside diameter GeoProbe® Large Bore Sampler lined with a disposable acetate liner. Soil samples were collected for classification from each soil probe at two-foot intervals vertically. SME field staff classified soil samples collected from the soil probes and recorded the findings on soil probe logs. Logs of soil borings are included in Attachment B.

The void space resulting from the soil probes was backfilled with bentonite chips. The locations of soil probes were surveyed.

Test Pit and Soil Probe Survey

G.B. Warnke & Associates, Inc. (Warnke) of Temperance, Michigan was retained to survey the locations and elevations of each boundary delineation marker and soil probe location. Test pit and soil probe locations and ground surface elevations were surveyed relative to mean sea level with an accuracy of ± 0.01 feet. Results of the survey were used to prepare the Soil Probe and Test Pit Location Diagram, included in Attachment 1 as Figure No. 2.



FINDINGS

Extent of Pulper Waste

The limit of the pulper waste as defined by SME's test pit activities is depicted on Figure 2 in Attachment A. In general, the revised limit of the pulper waste corresponded accurately with the limit previously defined by Homrich. Only a small area of waste near TP5 on the western perimeter was found to be outside the previously determined boundaries. Waste in this area was confined to a small layer buried several feet below the ground surface. The waste boundaries in Figure 2 were adjusted to encompass the additional waste identified near TP5 and SP26.

Clay Layer Elevations and Thickness

Elevations of the ground surface and underlying native clay stratum are presented in Table 1, Attachment C. A contour map of the top-of-clay surface is presented in Figure 3, Attachment A.

The thickness of the native clay layer encountered in each soil boring is presented in Table 1 and depicted graphically in the isopleth diagram shown in Figure 4. At least two feet of native clay were encountered along the perimeter of the landfill except as described below:


- Southwest corner (SP28 - SP31) - 1.5 feet to 13 feet of clayey silt, instead of silty clay, was encountered in this area
- South portion of east perimeter (SP10 - SP11) - less than two feet of native clay was present in this area


The native clay layer in one area under the interior of the landfill, approximately bounded by SP2, SP3, SP7 and SP8, was found to be between 0.5 feet to two feet in thickness.

SME is pleased to be of continued service to you on this project. If you have any questions, please feel free to call.

Very truly yours,

SOIL AND MATERIALS ENGINEERS, INC.


Daniel R. Cassidy
Project Geologist


James M. Harless, Ph.D, CHMM
Senior Consultant

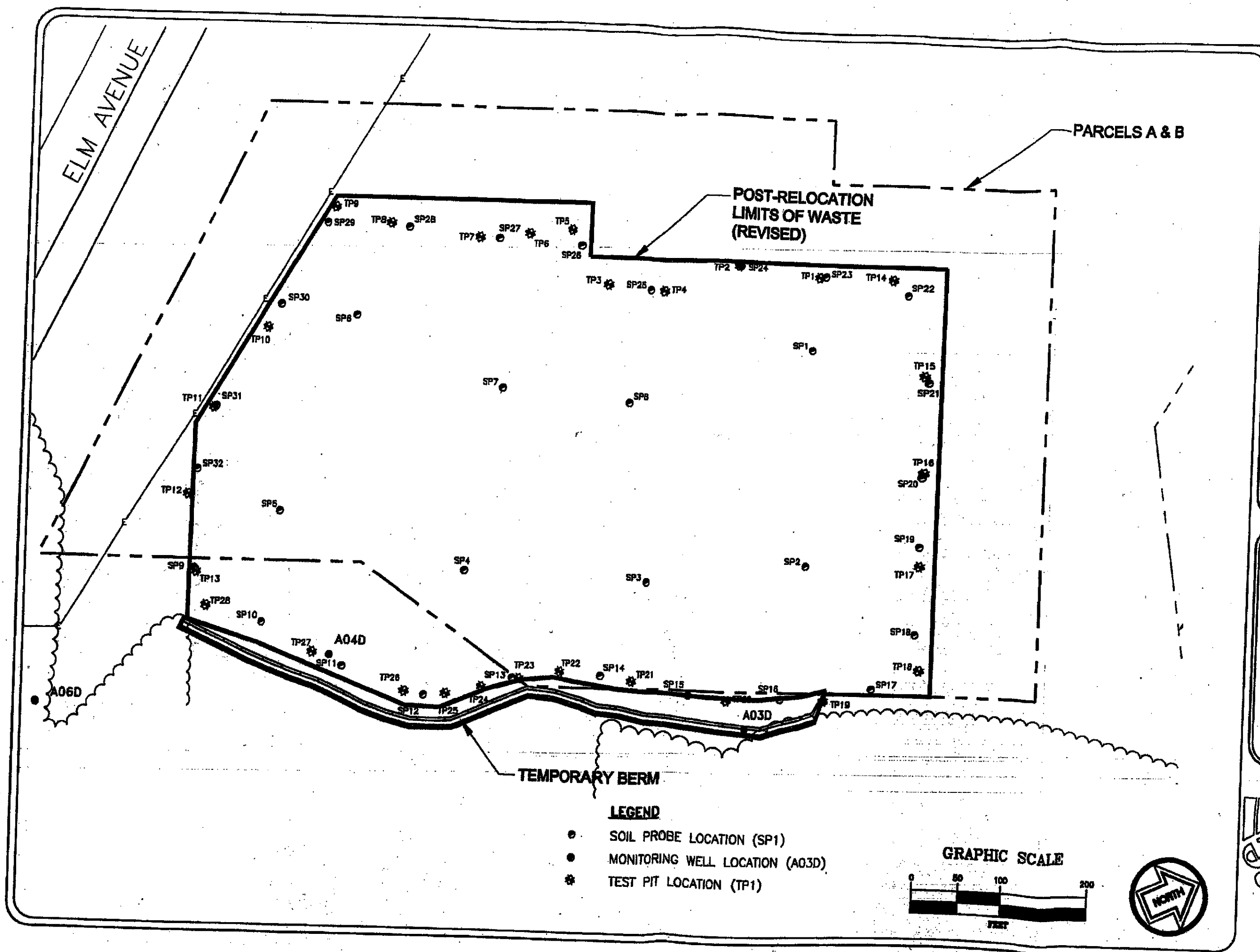
Attachment 1 - Figures
Attachment 2 - Tables
Attachment 3 - Soil Probe Logs

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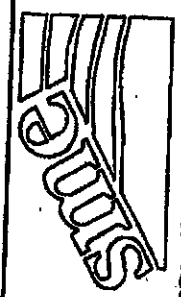
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SOIL PROBE, TEST PIT LOCATION
AND WASTE LIMIT DIAGRAM
HOMRICH LANDFILL
MONROE, MICHIGAN

DATE: 05-20-04
SCALE: 1" = 100'
DRAFTER: GM
JOB: PE 46643



BAY CITY GRAND RAPIDS KALAMAZOO
LANSING PLYMOUTH TOLEDO

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Figure No. 2

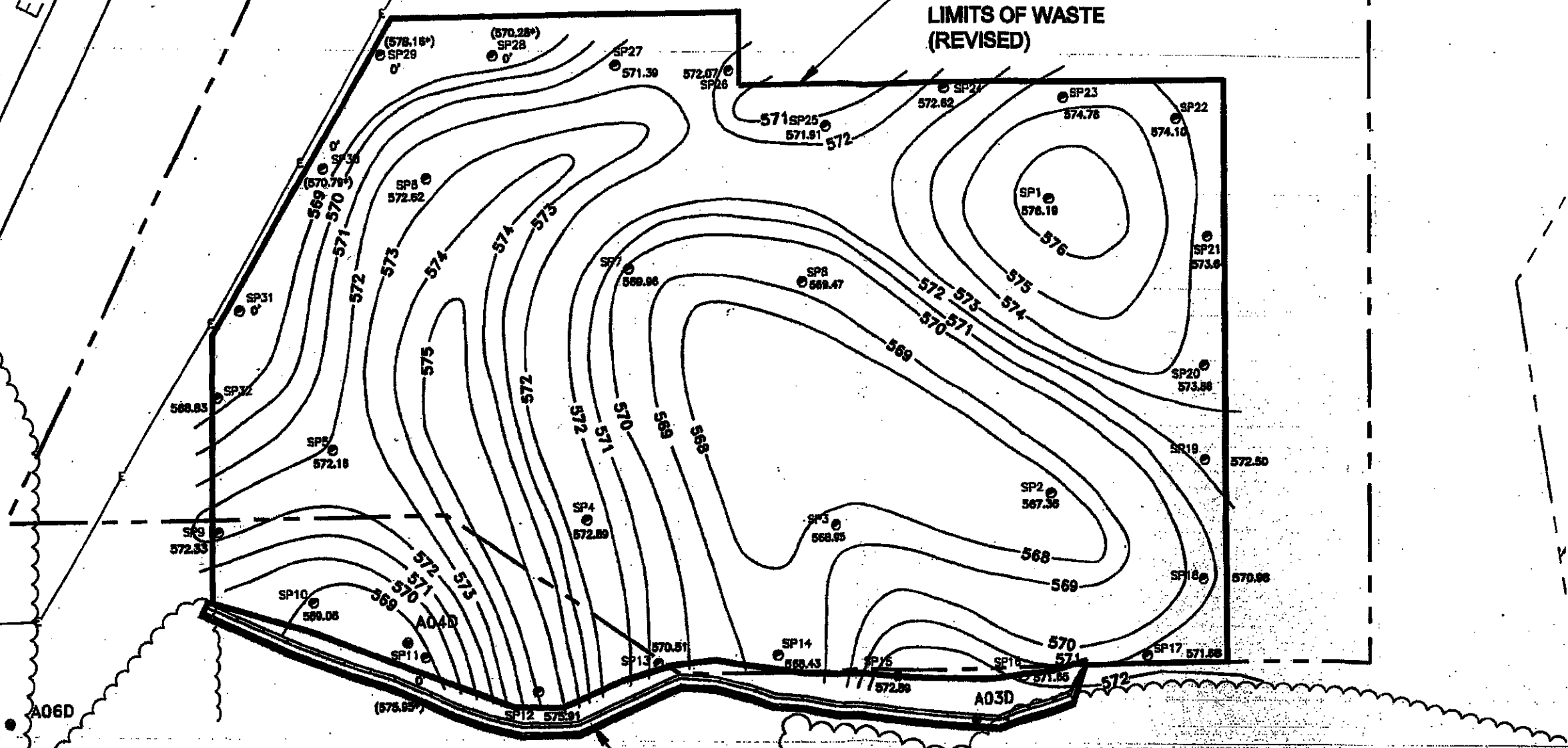
ELM AVENUE

PARCELS A & B

POST-RELOCATION
LIMITS OF WASTE
(REVISED)

TOP OF CLAY ELEVATION DIAGRAM
HOMRICH LANDFILL
MONROE, MICHIGAN

DATE: 06-04-04
SCALE: 1" = 100'
DRAFTER: GM
JOB: PE 46643

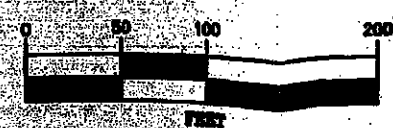


TEMPORARY BERM

LEGEND

- SOIL PROBE LOCATION (SP1)
- MONITORING WELL LOCATION (A03D)
- CLAY THICKNESS CONTOUR
- 569.06 CLAY ELEVATION
- 570.26* CLAYEY SILT ELEVATION

GRAPHIC SCALE



Stuebe

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LANSING PLYMOUTH TOLEDO

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Figure No. 3

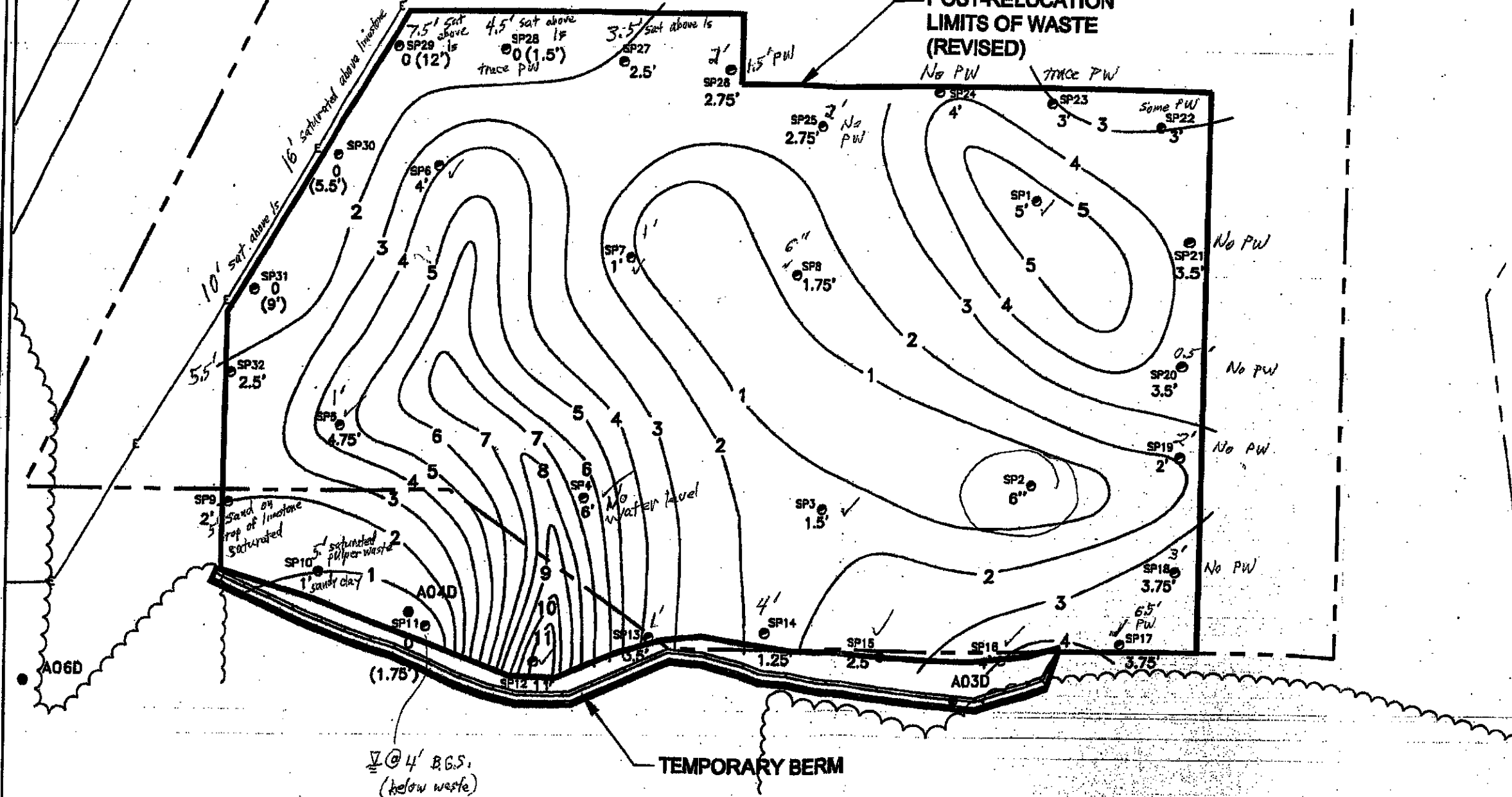
ELM AVENUE

PARCELS A & B

POST-RELOCATION
LIMITS OF WASTE
(REVISED)

CLAY THICKNESS DIAGRAM
HOMRICH LANDFILL
MONROE, MICHIGAN

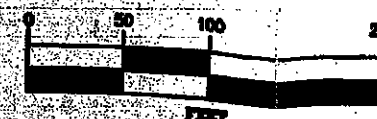
DATE: 06-03-04
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DRAFTER: GM
JOB: PE 46643



LEGEND

- SOIL PROBE LOCATION (SP1)
- MONITORING WELL LOCATION (A03D)
- CLAY THICKNESS CONTOUR
- 5' CLAY THICKNESS (FEET)
- (9') CLAYEY SILT THICKNESS (FEET)

GRAPHIC SCALE



Smiley

BAY CITY GRAND RAPIDS KALAMAZOO
LANSING PLYMOUTH TOLEDO

FILE NAME S:\46000\46643\46643-01.DWG

**TABLE 1
ELEVATION RESULTS
HOMRICH LANDFILL
MONROE, MICHIGAN
SME PROJECT NO. PE46643
Page 1 of 1**

| SP ID | SP Elevation (ft) | SP Elevation (ft) | SP Elevation (ft) |
|-------|-------------------|-------------------|-------------------|
| SP1 | 582.19 | 576.19 | 5 |
| SP2 | 584.36 | 567.36 | 0.5 |
| SP3 | 583.45 | 568.95 | 1.5 |
| SP4 | 582.89 | 572.89 | 6 |
| SP5 | 583.16 | 572.16 | 4.75 |
| SP6 | 582.62 | 572.62 | 4 |
| SP7 | 582.98 | 569.96 | 1 |
| SP8 | 583.47 | 569.47 | 1.75 |
| SP9 | 580.33 | 572.33 | 2 |
| SP10 | 577.56 | 569.06 | 1 |
| SP11 | 577.70 | 575.95* | 0 (1.75) |
| SP12 | 576.91 | 575.91 | 11 |
| SP13 | 577.51 | 570.51 | 3.5 |
| SP14 | 578.42 | 568.42 | 1.25 |
| SP15 | 578.39 | 572.89 | 2.5 |
| SP16 | 578.65 | 571.65 | 4 |
| SP17 | 578.68 | 571.68 | 3.75 |
| SP18 | 577.98 | 570.98 | 3.75 |
| SP19 | 578.50 | 572.50 | 2 |
| SP20 | 578.36 | 573.86 | 3.5 |
| SP21 | 578.14 | 573.64 | 3.5 |
| SP22 | 579.10 | 574.10 | 3 |
| SP23 | 579.78 | 574.78 | 3 |
| SP24 | 579.62 | 574.62 | 4 |
| SP25 | 579.91 | 571.91 | 2.75 |
| SP26 | 580.07 | 572.07 | 2.75 |
| SP27 | 578.89 | 571.39 | 2.5 |
| SP28 | 579.28 | 570.28* | 0 (1.5) |
| SP29 | 578.66 | 578.16* | 0 (12) |
| SP30 | 577.79 | 570.79* | 0 (5.5) |
| SP31 | NS | NS | 0 (9) |
| SP32 | 578.33 | 568.83 | 2.5 |

Notes:

NS = Elevation not surveyed.

* = Elevation measured from top of clayey silt.

(9) = Clayey silt thickness



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John G. Zarzecki, CWI, CDT

October 14, 2005

Mr. Roger Homrich
Homrich, Inc.
200 Matlin Road
Carleton, Michigan 48117

RE: Leachate Sampling Summary Report
Jefferson Smurfit Corporation Industrial Landfill
SME Project Number: PE46643-02

Dear Mr. Homrich:

This letter presents SME's summary of landfill leachate testing conducted at the above referenced site (Figure 1) in Monroe, Michigan. The landfill leachate sampling was conducted in accordance with the scope of work described in the following:

- SME's November 22, 2004, letter in response to the Michigan Department of Environmental Quality's (MDEQ's) request for additional data collection
- MDEQ's December 21, 2004, letter concerning "Closure and Monitoring of the Landfill" (Mr. Lee Carter)

Groundwater collected for this assessment corresponded to perched water encountered within the landfill material. This groundwater represents the *in situ* leachate produced by the landfilled industrial wastes.

The results of the leachate testing will be used to evaluate chemical constituents for inclusion/exclusion from the post-closure bedrock aquifer Hydrogeological Monitoring Plan (HMP).

SCOPE OF SERVICES

The objectives of the project were accomplished through implementation of the following tasks:

1. Advancement of three soil probes on February 15, 2005, inside the industrial landfill area to be closed under Part 115, and installation of temporary groundwater monitoring wells - soil probes were labeled SP301 through SP303 and were advanced to a depth of approximately 12 feet below grade, corresponding to the depth where groundwater was previously encountered within the landfill material at the fill/clay interface. Figure No. 2 of Attachment A shows the soil probe locations.

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2. Collection of a groundwater sample from monitoring well SMW-1, previously installed near the northeast corner of the landfill, and temporary wells installed in this sampling episode
3. Measurement of pH, conductivity, and temperature in groundwater samples from the three temporary wells and SMW-1.
4. Submittal of four groundwater samples for laboratory analysis of target monitoring parameters - parameters selection was based on current HMP parameter list and Part 115 regulatory requirements (R299.4450 - 4452)
4. Comparison of analytical results to published MDEQ Act 307 Type B Cleanup Criteria (February 1994).
5. Preparation of this report to document the leachate sampling and analysis activities.

SME provided soil probe services, and Fibertec Environmental Services of Holt, Michigan provided subcontracted laboratory services.

PROCEDURES

Soil probes were advanced using a truck-mounted GeoProbe® brand direct push sampling device. SME collected soil samples continuously to the termination depth of each soil probe. Soil samples were collected using a 48-inch long, 2-inch outside diameter (OD) Geoprobe® Macro Sampler lined with a disposable acetate liner. Soil samples were collected from the acetate liner by cutting open the liner with a utility knife and transferring the soil to the appropriate container.

SME field staff transferred soil samples collected for classification to an 8-ounce glass jar. SME field staff classified the soil samples in general accordance with the Unified Soil Classification System (USCS) and recorded the USCS classification on the soil probe log. Copies of the soil probe logs are presented in Attachment B.

SME installed a temporary well point at each soil probe location. A groundwater sample was then recovered from each location using a stainless steel, GeoProbe® Screen Point-15 Sampler, driven into the saturated zone. The well screen was four feet in length with a slot size of 0.005 inches. The well screen was placed approximately 2 feet above and 2 feet below the depth that groundwater was encountered during probing, and water was purged prior to sampling. Each well was purged using a variable flow rate, portable peristaltic pump with 3/8-inch inside diameter (ID) silicone tubing at a low-flow pumping rate of 100 milliliters to 400 milliliters per minute (ml/min). SME field staff purged the wells by slowly lowering the pump intake to a level approximately half-way between the water level surface and the bottom of the well. SME measured and recorded pH, conductivity, and temperature of groundwater samples collected from each well using a multi-parameter meter to determine groundwater equilibration. Groundwater equilibration was deemed to have been reached when two consecutive sets of measurements (pH, conductivity, and temperature) were within 10% of the previous results.

SME then collected groundwater samples for laboratory analysis. Groundwater samples were collected by transferring samples directly from the pump outlet into the appropriate containers. The analytical laboratory supplied pre-cleaned containers for the groundwater samples. After



sample collection, containerized samples were maintained at 4° C until delivery to the analytical laboratory. Chain of custody procedures documenting the sample handling sequence were followed by the SME field staff.

Sampling tools were cleaned prior to probing and between each sample location with a high pressure/temperature wash. A new pair of disposable nitrile sampling gloves was used to collect each set of groundwater samples.

Residual soil cuttings generated from the soil probes were returned to the corresponding soil probe hole after sampling activities were completed. Purged groundwater was returned to the respective well. Any remaining space in the soil probe holes was backfilled with bentonite chips.

Groundwater samples were analyzed by Fibertech using MDEQ-approved methods and reporting limits (Operation Memorandum Gen-86, Rev. 6). The analytical methods and method reporting limits (MRLs) used by Fibertec are described on the laboratory data sheets included in Attachment E.

FINDINGS

Subsurface Conditions

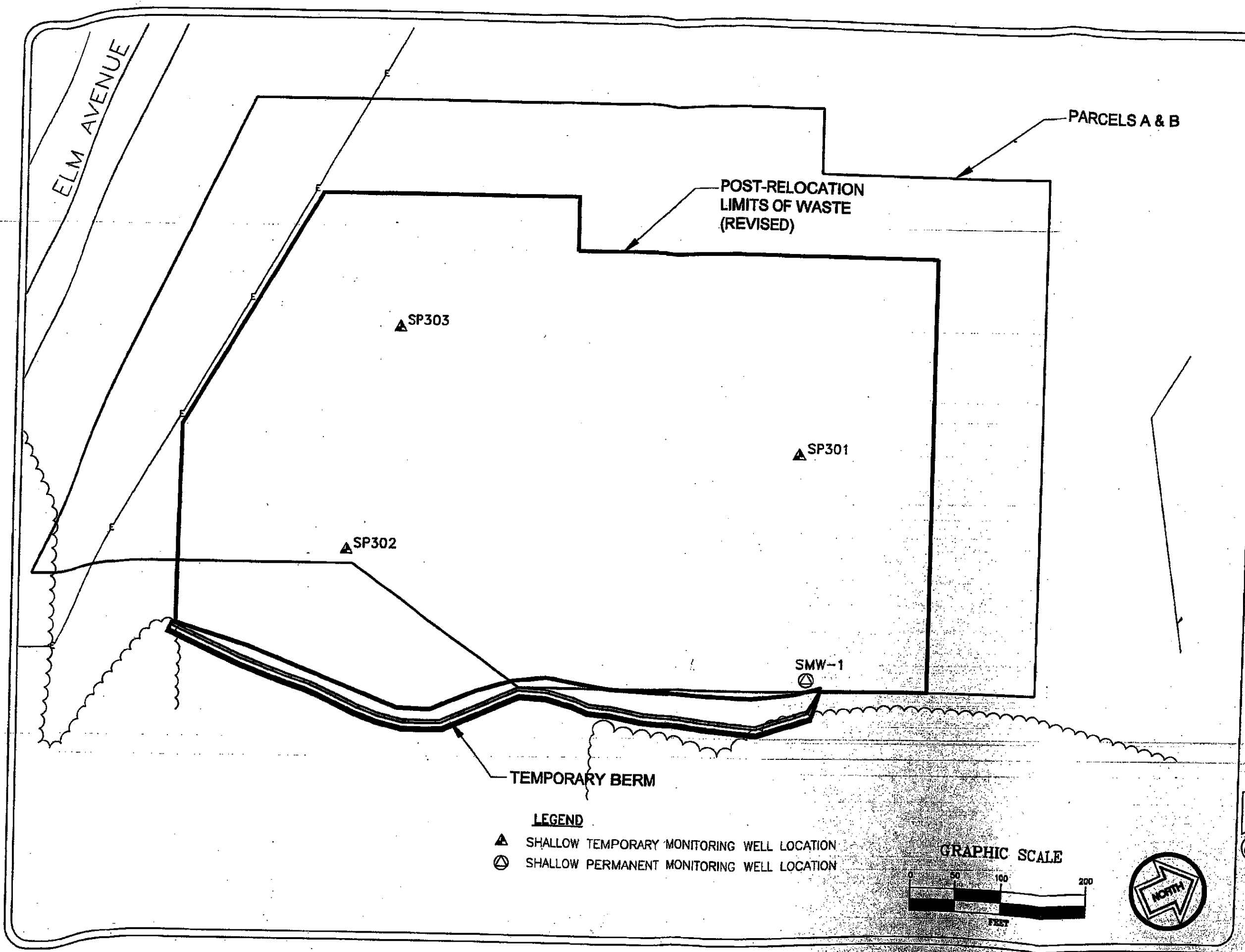
Subsurface soil conditions encountered during the leachate sampling consisted of approximately one foot of silty clay fill over pulper waste and fill sand. The pulper waste contained trace gravel and cinders, and occasional sand layers. The pulper waste and fill sand extended to a depth of approximately 11 feet below grade. Beneath the pulper waste and/or fill sand, SME encountered native silty clay extending to the termination depth of the probes at 12 feet below grade. SME encountered no staining or odors at the soil probe locations. Perched groundwater was encountered at approximately 11 feet below grade, corresponding to the depth of the fill/clay interface. Soil probe logs are included in Attachment B.

Analytical Results

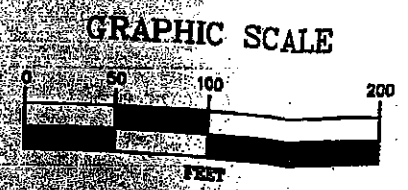
The results of the leachate testing will be used to evaluate chemical constituents for inclusion/exclusion from the post-closure bedrock Hydrogeologic Monitoring Plan (HMP); therefore, SME compared analytical results to MDEQ Act 307 Type B Cleanup Criteria (February 1994) for applicable pathways as specified in the Solid Waste Management Act Administrative Rules promulgated pursuant to Part 115. Since groundwater use is prohibited within the City of Monroe by City ordinance, the only applicable Type B groundwater exposure pathway is the groundwater-surface water interface (GSI) pathway.

Results from the leachate testing are summarized in Table 1 of Attachment C. The MDEQ Act 307 Type B Cleanup Criteria for the applicable pathway are also included on Table 1. Results that exceed Type B levels are highlighted on the table. Method reporting limits that exceeded Type B levels are depicted with a box on the table; method reporting limits complied with MDEQ guidance for target detection limits. A copy of the laboratory analytical data report is presented in Attachment D.





- LEGEND**
- ▲ SHALLOW TEMPORARY MONITORING WELL LOCATION
 - ⊙ SHALLOW PERMANENT MONITORING WELL LOCATION



Smurfitt

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LEACHATE SAMPLE LOCATION DIAGRAM
FORMER JEFFERSON-SMURFIT
CORPORATION INDUSTRIAL
LANDFILL
MONROE, MICHIGAN

DATE: 05-20-04
SCALE: 1" = 100'
DRAFTER: GM
JOB: PE 46643

FILE NAME S:\6000\46643\46643-01.DWG

TABLE 1
LANDFILL LEACHATE ANALYTICAL RESULTS
FORMER JEFFERSON SMURFIT CORPORATION INDUSTRIAL LANDFILL
MONROE, MICHIGAN

| Constituents | TDL | MDEQ ACT 307 TYPE B CLEANUP CRITERIA, DENSE February 1994 | | | Sample Identification and Sample Collection Date | | | | |
|----------------------------------|----------|---|----------|----------|--|-----------|------------------|------------------|------------------|
| | | HBDW | ADW | GSI | SMW-1 | SMW-1 | SP301 | SP302 | SP303 |
| | | | | | 9/16/2003 | 2/18/2006 | 11' 2/16/2006 | 11' 2/16/2006 | 11' 2/16/2006 |
| Alkalinity, Bicarbonate | 20,000 | NA | NA | NA | 440,000 | 27,000 | 1,100,000 | 550,000 | 620,000 |
| Alkalinity, Carbonate | 20,000 | NA | NA | NA | <20,000 | <20,000 | <20,000 | <20,000 | <20,000 |
| Conductivity | NA | NA | NA | NA | 0.212 | 1.750 | 1.220 | 1.817 | <20,000 |
| Chemical Oxygen Demand (COD) | 5,000 | NA | NA | NA | 31,000 | <5,000 | 50,000 | 58,000 | 110,000 |
| Chloride | 10,000 | ID | 250,000 | NA | 10,000 | <10,000 | 13,000 | 34,000 | 37,000 |
| Cyanide, Total | 20 | 150* | NA* | 5.5 | 19 | <5 | <5 | <5 | <5 |
| Nitrogen, Ammonia | 25 | NA | NA | NA | 1,200 | <25 | 6,200 | 440 | 9,100 |
| Nitrogen, Nitrate | 23 | 10,000 | NA | NA | 79 | 24 | <23 | <23 | <23 |
| Nitrogen, Nitrite | 30 | 1,000 | NA | NA | 33 | <30 | <30 | <30 | <30 |
| Total Inorganic Nitrogen | 100 | NA | NA | NA | <100 | 6,200 | 440 | 9,100 | 9,100 |
| pH | NA | NA | NA | NA | <100 | 6.60 | 8.81 | 7.16 | 6.70 |
| Phenols, Total | 50 | 4,200 | NA | 1,100 | <50 | <50 | <50 | <50 | <50 |
| Sulfate | NA | ID | 250,000 | NA | 1,100,000 | <1,000 | 9,700 | 420,000 | 450,000 |
| Total Organic Carbon (TOC) | 1,000 | NA | NA | NA | 16,000 | <1,000 | 8,200 | 4,500 | 16,000 |
| Volatile Organic Compounds (VOC) | Multiple | Multiple | Multiple | Multiple | <TDL | <1,000 | 8,200 | 4,500 | 16,000 |
| Arsimony | 2 | 2.4 | NA | 4,300 | <5 | <2 | <2 | <2 | <2 |
| Arsenic | 5 | 2.02 | NA | 7.4 | 12.0 | <5 | <2 | <2 | <2 |
| Barium | 100 | 2,400 | NA | 530 | 140 | <100 | 820 | 18 | 5 |
| Beryllium | 1 | NA | NA | NA | <1 | <1 | <1 | 130 | 280 |
| Boron | 10 | 320 | NA | NA | 2,300 | <300 | 3,700 | <1 | <1 |
| Cadmium | 0.2 | 3.5 | NA | 0.34 | <0.50 | <0.50 | <0.50 | <0.50 | 770 |
| Chromium (III)** | 5 | 37,000 | NA | 77 | <5 | <5 | <5 | 22 | 14 |
| Cobalt | 20 | NA | NA | NA | <20 | <20 | <20 | <20 | <20 |
| Copper | 4 | 1,300 | 1,000 | 18 | <4 | <4 | <4 | 110 | 55 |
| Iron | 200 | ID | 300 | NA | 28,000 | 780 | 85,000 | 28,000 | 160,000 |
| Lead | 3 | 4 | NA | 5.5 | <3 | <3 | <3 | 21 | 40 |
| Lithium | 10 | NA | NA | NA | 210 | 53 | 480 | 32 | 87 |
| Manganese | 50 | 370 | 50 | NA | <20 | <20 | <20 | 34 | 48 |
| Nickel | 20 | 530 | NA | 57 | <5 | <5 | <5 | <5 | <5 |
| Potassium | 1,000 | NA | NA | NA | 13,000 | 4,500 | 36,000 | 5,400 | 16,000 |
| Selenium | 5 | 35 | NA | 6 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 |
| Silver | 0.2 | 33 | 100 | 0.1 | <2 | <2 | <2 | <2 | <2 |
| Sodium | 1,000 | 150,000 | NA | NA | 28,000 | 6,400 | 130,000 | 53,000 | 41,000 |
| Thallium | 2 | 0.58 | NA | 6.3 | <4 | <4 | <4 | <4 | <4 |
| Vanadium | 4 | 61 | NA | 6 | <4 | <4 | <4 | <4 | <4 |
| Zinc | 50 | 2,300 | 5,000 | 61 | <50 | <50 | <50 | 80 | 380 |

NOTES:

1. TDL = Target Detection Limit
2. HBDW = Health Based Drinking Water Value
3. ADW = Aesthetic Drinking Water Value
4. GSI = GSI Value
5. CS = Criteria is compound specific.
6. <RL = Less than reporting limit.
7. ID = Inadequate data to develop criterion.
8. NLV = Not likely to volatilize.
9. NA = No criterion available
10. *GSI Value based on free cyanide.
11. **Total chromium results compared to both trivalent chromium and hexavalent chromium.

12. Concentration exceeds the corresponding Act 307 Value.

13. Laboratory Method Reporting Limit exceeds Act 307 Value.



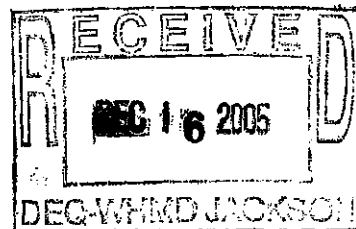
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Daniel O. Roeser, PG
John C. Zarzecki, CWI, CDT

October 14, 2005



~~H5 Monroe~~
~~Jefferson Smurfit~~
Extra

Mr. Roger Homrich
Homrich, Inc.
200 Matlin Road
Carleton, Michigan 48117

RE: Due Care Evaluation Summary Report
Jefferson Smurfit Corporation Industrial Landfill
SME Project Number: PE46643-05

Dear Mr. Homrich:

This letter presents SME's summary of the Due Care Evaluation of surficial coal ash at the above referenced site (Figure 1) in Monroe, Michigan. The Due Care Evaluation was conducted in accordance with the May 3, 2004, *Due Care Assessment Plan* submitted to Mr. James Arduin of the Michigan Department of Environmental Quality (MDEQ) Waste and Hazardous Materials Division. The assessment plan was subsequently approved by the MDEQ on November 9, 2004. A copy of both the Work Plan and approval letter are included in Attachment B.

The objective of the Due Care Evaluation was to evaluate the potential threat posed by the surficial coal ash layer to human health via the direct contact pathway and particulate soil inhalation pathway.

SCOPE OF SERVICES

The objectives of the project were accomplished through implementation of the following tasks:

1. Advanced 14 soil probes at the site on February 15, 2005, in surficial coal ash deposits located outside the industrial landfill area to be closed under Part 115. The soil probes were labeled SP201 through SP214 and were advanced to a depth of approximately 4 feet below grade. Figure No. 2 of Attachment A shows the soil probe locations.

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Grand Rapids
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Shelby Township
Toledo

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consultants in the geosciences, materials, and the environment

To provide adequate distribution of samples to be representative of site conditions, one sample was collected at a random location and depth (up to four feet below ground surface), to be determined in the field, in each of the 14 sampling units shown on Figure No. 2 of Attachment A. The sampling units enclose areas of approximately 1.5 acres.

2. Submitted fourteen soil samples for laboratory analysis of the polynuclear aromatic hydrocarbons (PAHs) and arsenic.
3. Compared soil analytical results to MDEQ Part 201 Generic Industrial Cleanup Criteria and Screening Levels, dated December 2004, for the direct contact and particulate soil inhalation exposure pathways.
4. Prepared this report to document the Due Care Evaluation activities.

SME provided soil probe services, and Fibertec Environmental Services of Holt, Michigan provided subcontracted laboratory services.

PROCEDURES

Soil probes were advanced using a truck-mounted GeoProbe ® brand direct push sampling rig. SME collected soil samples continuously to the termination depth at each soil probe. Soil samples were collected using a 48-inch long, 2-inch outside diameter (OD) Geoprobe ® Macro Sampler lined with a disposable acetate liner. Soil samples were collected from the acetate liner by cutting open the liner with a utility knife and transferring the soil to the appropriate container.

SME field staff transferred soil samples collected for classification to an 8-ounce glass jar. SME field staff classified the soil samples in general accordance with the Unified Soil Classification System (USCS).

Soil samples collected for laboratory analysis were transferred to pre-cleaned jars provided by the analytical laboratory using a stainless steel putty knife. Fourteen soil samples collected from SP201 through SP214 were submitted for laboratory analysis of PAHs and arsenic. SME selected laboratory soil samples from the coal ash, which was encountered in the top 2 feet at each soil probe location. The analytical methods, reporting limits (RLs) and containers for the indicated analytical parameters are listed below.

| Analytical Parameter | EPA Method Number | Method Reporting Limit (ppb) |
|----------------------|-------------------|------------------------------|
| PAHs | 8270C | 330 |
| Arsenic | 6020 | 100 |

Notes:

- (1) Reporting limits are presented in parts per billion (ppb or micrograms per kilogram (ug/kg)).



The analytical laboratory supplied pre-cleaned containers for the soil samples. After sample collection, the containerized samples were kept cool, i.e. refrigerated, until delivery to the analytical laboratory. SME field staff followed chain of custody procedures to document the sample handling sequence.

Soil probe sampling tools were cleaned prior to probing and between each probe location with a high pressure/temperature wash. In addition, the utility knife and putty knife were cleaned with a laboratory grade detergent and rinsed with distilled water prior to cutting each acetate liner. A new pair of disposable nitrile sampling gloves was also used to transfer each sample from the acetate liner or to the sample jars.

Residual soil cuttings generated from the soil probes were returned to the corresponding soil probe hole after sampling activities were completed. The remaining space in the soil probe holes, if available, was then backfilled with bentonite chips.

FINDINGS

Subsurface Conditions

Surficial material at the site consisted of coal ash with sporadic vegetation. The coal ash extended from the surface to approximately 2 to 4 feet below grade. Beneath the coal ash, SME encountered native silty clay, with trace sand and gravel. SME encountered no staining and odors at the soil probe locations. SME encountered no groundwater during soil probe activities.

Exposure Pathway Evaluation

SME evaluated the potential exposure pathways for the following property use scenarios:

- Current site use - undeveloped; no routine human presence (zoned industrial).
- Landfill closure activities – construction (industrial).

Based on the proposed uses of the site, the following human exposure pathways may be complete at the site:

- Dermal contact
- Inhalation

Based on the above listed exposure pathway, the following cleanup criteria are judged to be applicable during site use:

- Direct contact criteria (soil)
- Particulate soil inhalation criteria (soil)
- Soil volatilization to indoor air inhalation
- Infinite source volatile inhalation

Drinking Water was not considered a complete human exposure pathway at the site since groundwater use is prohibited by City of Monroe ordinance (Monroe Code 1044.28 (g)) and municipal water is supplied to the site and surrounding areas. Groundwater or Surface Water Contact was not considered a complete human exposure pathway because available leach test data indicated that no constituents of concern are reasonably expected to leach from the coal ash to groundwater or surface water at levels that could pose a risk to human health via the direct



contact pathway. This finding was confirmed by historic groundwater and surface water monitoring results at the landfill. Volatilization to Ambient Air was not considered a complete human exposure pathway at the site since no coal ash samples or leachates have been found to contain volatile constituents of concern at concentrations greater than *de minimus* levels.

Based on current and anticipated use of the site during and after closure, the appropriate MDEQ reference exposure criteria for initial data comparison are the industrial use values for relevant and applicable pathways.

Analytical Results

The analytical results have been compared to the applicable Part 201 Generic Industrial Cleanup Criteria and Screening Levels provided in MDEQ Operational Memorandum #1, which took effect on December 10, 2004. Table 1 of Attachment C lists the analytical results. A copy of the laboratory analytical report is presented in Attachment D.

The concentration of arsenic in 7 of the 14 soil samples was detected above MDEQ Part 201 Generic Industrial Direct Contact Criteria. The concentration of arsenic at the other soil probe locations were detected above method reporting limits, but were below MDEQ Part 201 Generic Industrial Cleanup Criteria, judged by SME to be applicable. The concentration of various PAHs were detected above method reporting limits, but were below MDEQ MDEQ Part 201 Generic Industrial Cleanup Contact Criteria, judged by SME to be applicable.

CONCLUSION

SME conducted the Due Care Evaluation to evaluate the potential threat posed by the surficial coal ash layer to human health via direct contact and particulate inhalation associated with the current undeveloped use of the site, and the future interim use of site for landfill closure construction activities. Based on the presence of arsenic at levels exceeding MDEQ Part 201 Industrial Direct Contact Criteria, Homrich, Inc will be required to implement procedures in accordance with 29 CFR 1910.120 (HAZWOPER) to protect workers, including health and safety training and personal protection, during future interim landfill closure activities. Due care procedures for future landfill closure activities will be documented in a Due Care Plan in accordance with Section 20107a of Part 201.

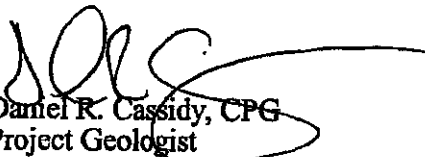
No specific due care requirements are indicated to be necessary to protect workers or third parties based on the current use of the site. The site is currently undeveloped with no routine human presence. Although arsenic was detected at the site above MDEQ Part 201 Generic Industrial Direct Contact Criterion, the assumptions used in calculating the MDEQ's Generic Industrial Direct Contact Criterion are based on an exposure frequency far greater than would actually occur at the site. The presence of humans on the site, with the exception of landfill closure activities, is expected to be intermittent and *de minimis* compared to the MDEQ's exposure assumptions. Therefore, dermal exposure to the levels of arsenic at the site for the current site use are not indicated to be a concern.



If you have any questions or comments regarding this report please call.

Sincerely,

SOIL AND MATERIALS ENGINEERS, INC.


Daniel R. Cassidy, CPG
Project Geologist


James M. Harless, PhD, CHMM
Senior Consultant

- Attachment A: Figures
- Attachment B: May 3, 2004, *Due Care Assessment Plan* and November 9, 2004 MDEQ approval letter
- Attachment C: Analytical Results Table
- Attachment D: Laboratory Analytical Data Sheets

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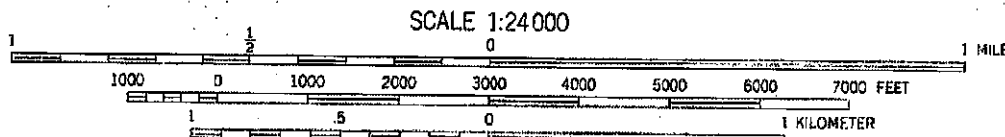
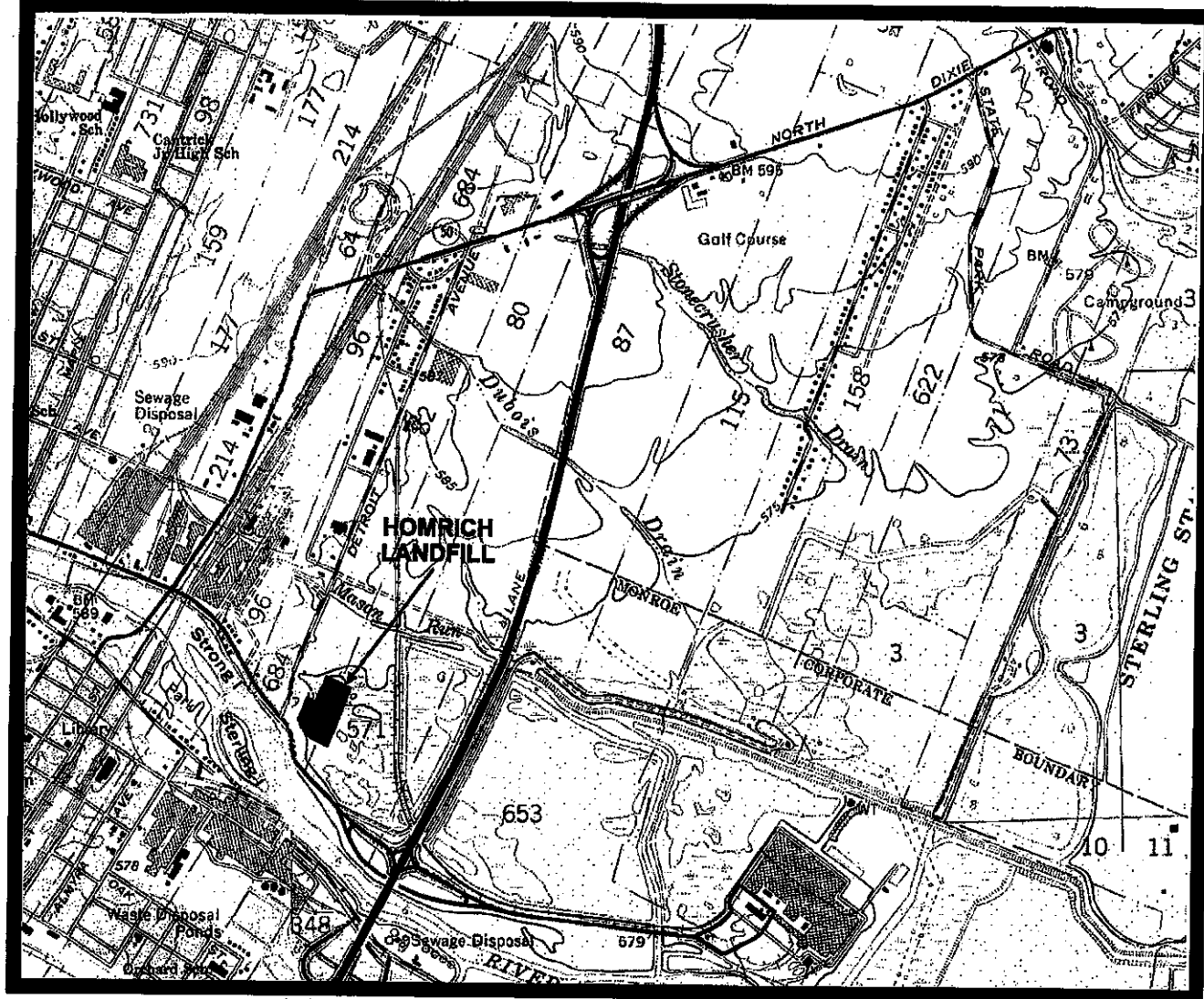


ATTACHMENT A

FIGURES

Figure No. 1 – Site Location Map

Figure No. 2 – Soil Probe Location Diagram



CONTOUR INTERVAL 10 FEET
NATIONAL GEODETIC VERTICAL DATUM OF 1929



STONY POINT, MICH.
41083-H3-TF-024
PHOTOINSPECTED 1978
1967
PHOTOREVISED 1973
DMA 4367 IV NE-SERIES V862

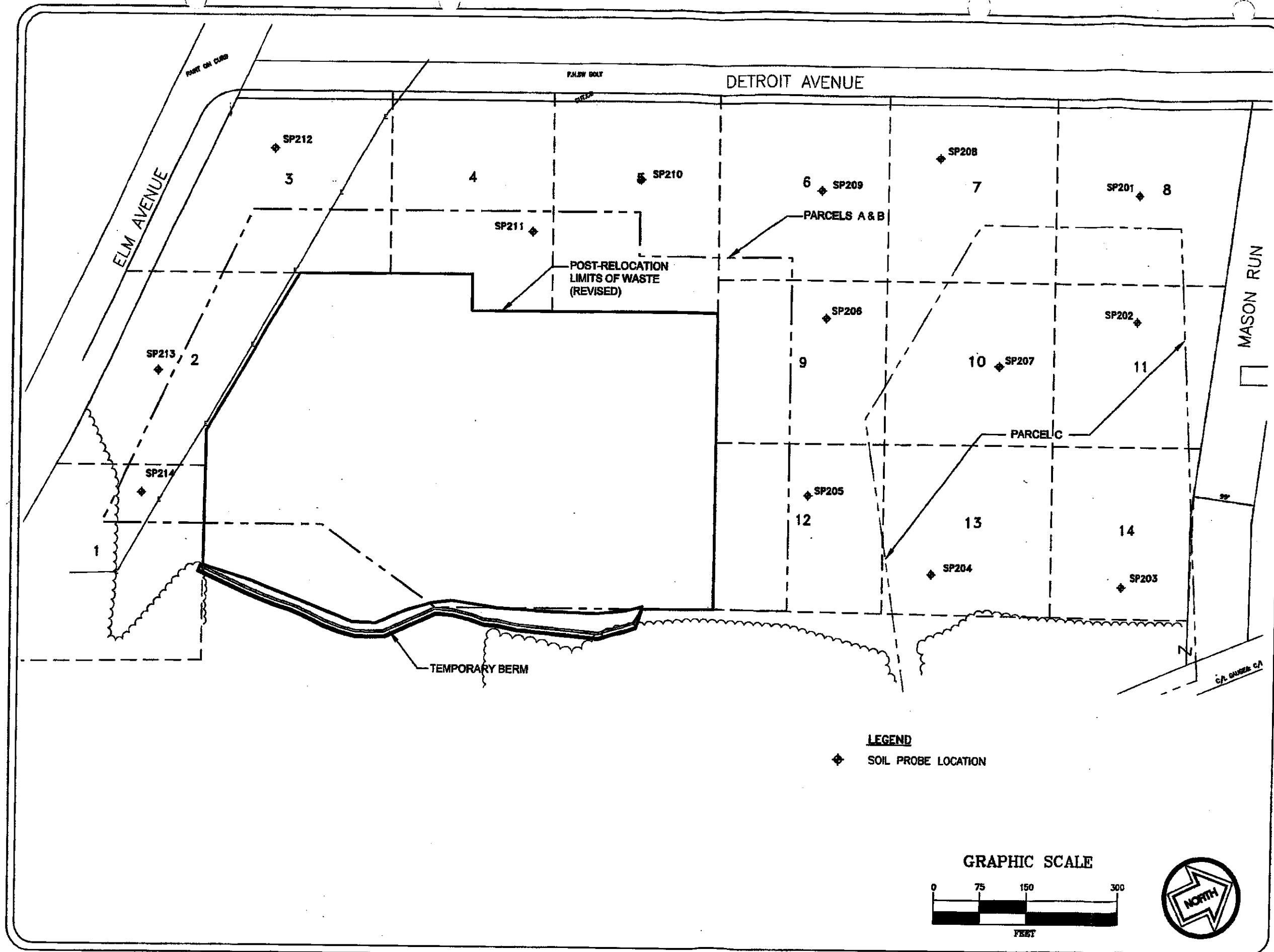


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Plymouth, Michigan 48170

BAY CITY
GRAND RAPIDS
KALAMAZOO
LANSING
PLYMOUTH
TOLEDO

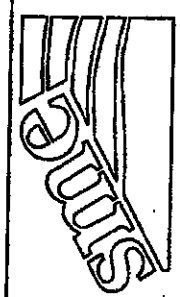
DATE 07-21-04
DRAWN BY ARR
SCALE AS SHOWN
JOB PE 46643

PROPERTY LOCATION MAP
HOMRICH LANDFILL
MONROE, MICHIGAN



SAMPLE LOCATION DIAGRAM
FORMER JEFFERSON SMURFIT
CORPORATION INDUSTRIAL LANDFILL
MONROE, MICHIGAN

DATE: 03-24-05
 SCALE: 1" = 150'
 DRAFTER: GM/ARR
 JOB: PE 46643



BAY CITY GRAND RAPIDS KALAMAZOO
 LANSING PLYMOUTH SHELBY TOLEDO
 Mar 29, 2005 - 12:41PM - Rossman
 S:\46000\46643\46643-07.dwg

Figure No. 2

ATTACHMENT B
MAY 3, 2004, DUE CARE ASSESSMENT PLAN
AND
NOVEMBER 9, 2004 MDEQ APPROVAL LETTER



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Daniel O. Rosser, PG
John C. Zarzecki, CWI, CDT

May 3, 2004

Mr. James Arduin
Environmental Engineer
Waste and Hazardous Materials Division
Michigan Department of Environmental Quality
Jackson State Office Building
301 Louis Glick Hwy.
Jackson, Michigan 49201

RE: Due Care Assessment Plan
Former Jefferson Smurfit East Mill Landfill Closure Plan Comments
SME Project Number: PE46643-004

Dear Mr. Arduin:

This letter is provided in follow-up to our April 15, 2004 telephone conversation and contains our plan for collecting appropriate data to use in evaluating Due Care obligations of Homrich Incorporated's (Homrich) at the former East Mill landfill property.

In our April 15 conversation we discussed the sampling approaches to be used for collecting coal ash characterization data on the landfill property. This sampling is being performed in response to and compliance with Item 3 of the February 5, 2004 letter from Mr. George Bruchmann. Item 3 requires Homrich to submit a plan, including implementation schedule, to address due care responsibilities under Section 20107a of Part 201 of NREPA. It is my understanding from our conversation that simple random sampling of surficial coal ash fill on the property will be sufficient for collecting chemical characterization data. If this is not correct, please advise immediately, as the data collection portion of this plan is based on that understanding. This data will be used to evaluate applicable human exposure pathways for the subsequent due care analysis.

PLAN FOR EVALUATING DUE CARE RESPONSIBILITIES

This plan for assessment of due care issues related to coal ash fill on the former Jefferson Smurfit East Mill landfill property was prepared by James M. Harless, Ph.D., CHMM and other staff at Soil and Materials Engineers, Inc. (SME) on behalf of Homrich Incorporated.

Background

The landfill parcel is bounded on the south by East Elm Avenue, on the west by Detroit Street, on the north by Mason Run, and on the east by wetlands and an elevated railroad right-of-way (ROW). Coal ash from the former Jefferson Smurfit East Mill (f/k/a River Raisin Paper Company and Union Camp Paper Company) was deposited on the property and in adjoining wetlands from the 1920s through the mid-1990s. Insoluble pulper wastes and coal ash from the East Mill were disposed in a licensed landfill constructed on a portion of the property.

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Shelby Township
Toledo

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consultants in the geosciences, materials, and the environment

Waste characterization data is available in MDEQ files for 15 samples of the coal ash generated from plant boilers between 1980 and 1993. It is reasonable to assume for purposes of due care risk evaluation that these data are representative of the ash deposited on the surface of the landfill property. These data are results from analyses of leachates from ASTM and TCLP testing of coal ash. Results from all tests consistently demonstrate that no target constituents leach to water at levels that would constitute a risk to human health via the direct contact pathway (Part 201 generic groundwater contact criteria). Target leachate analytes included the following: As, Ba, Cd, Ca, Cr, Fe, Pb, Mn, Mg, Hg, Ni, Se, Ag, Na, chloride, nitrate, nitrite, sulfate, and sulfide; some samples were not tested for all parameters.

Additional characterization data are available for coal ash generated from the Consolidated Packaging Corporation (CPC) Northside Plant, formerly located on East Elm Avenue approximately one-half mile west of the landfill property. Coal ash was generated from the CPC facility and distributed on the land surface contemporaneously with the generation and deposition from the East Mill plant. Between 1998 and 2000 thirteen grab samples and six representative samples of coal ash deposited on the CPC property between 1920 and the 1940s were collected and analyzed. Arsenic was measured in three samples at a concentration greater than the local background value (15,700 µg/Kg) and generic human residential direct contact criterion. No other target analytes (Part 115 inertness determination analyte list) were measured at concentrations greater than MDEQ Part 201 generic human health protection criteria for residential use, and no analytes were present at levels above generic industrial use criteria. These data previously were provided to the MDEQ in the following document: *Cinder/Ash Fill Characterization Report and Reuse Plan, Mason Run Development*, ..., prepared by Haley & Aldrich of Michigan, Inc, August 2000.

Historical groundwater monitoring data are available for both the bedrock aquifer and groundwater perched in the ash fill. No target analytes have been reported at levels greater than MDEQ generic groundwater contact, inhalation or drinking water protection criteria.

Due Care Assessment Strategies

SME considered the materials of concern for human exposure, current and proposed property usage, site specific relevant and potentially complete pathways for potential human exposure, and data gaps in historical site assessment results during development of this due care evaluation scope of work. The landfill due care evaluation plan is based in the following determinations:

- Potential material of concern - coal ash on the property outside the boundaries of the disposal area to be closed under Part 115
- Proposed property use (exposure scenarios)
 - Landfill closure period - construction (industrial)
 - Post-closure period - undeveloped; no routine human presence
 - Current zoning - heavy industrial (I2)
- Relevant and applicable human exposure pathways of concern (see discussions below)
 - Ash fill - direct contact and ambient air particulate inhalation
 - Surface water - direct contact
- Chemical constituents of concern - reliable coal ash characterization data are available to support identification of analytes reasonably expected to be present at levels of concern and evaluation of exposure pathways (see discussions below)



The objective of the Due Care Evaluation Work Plan (Work Plan) is to evaluate the potential threat posed by the surficial ash layer to human health via the following pathways:

- direct contact (industrial use) and
- particulate soil inhalation (industrial use).

The following potential human exposure pathways are not reasonably expected to be applicable or complete based on historic site characterization data discussed above and/or site conditions:

- groundwater drinking water – not applicable; groundwater use is prohibited by City of Monroe ordinance (Monroe Code 1044.28 (g)); municipal water is supplied to the site and surrounding areas;
- groundwater or surface water contact – based on available leach test data, no constituents of concern are reasonably expected to leach from the ash to groundwater or surface water at levels that could pose a risk to human health via the direct contact pathway; this finding was confirmed by historic groundwater and surface water monitoring results at the landfill; and
- volatilization to ambient air – no coal ash samples or leachates have been found to contain volatile constituents of concern at concentrations greater than *de minimus* levels.

Based on current and anticipated use of the property during and after closure, the appropriate MDEQ reference exposure criteria will be the industrial use values for relevant and applicable pathways.

No target analytes were detected in ash samples from the CPC property at levels greater than MDEQ generic industrial use human health protection criteria for the direct contact and particulate inhalation exposure pathways. Only arsenic and benzo(a)pyrene have been measured in one or more samples at concentrations greater than 10%, one order of magnitude below, the respective MDEQ generic industrial direct contact criterion for either of the target exposure pathways. These data are anticipated to be representative of the East Mill coal ash, especially within the two orders of magnitude or greater variances required for other constituents to pose a potential threat to human health; therefore, arsenic and polycyclic aromatic hydrocarbons (PAH, PNA) will be the target analytes for the due care evaluation.

SCOPE OF WORK AND TECHNICAL APPROACHES

Fourteen ash samples will be collected from the surficial deposits located outside the industrial landfill area to be closed under Part 115. To provide adequate areal distribution of samples to be representative of site conditions, one sample will be collected at a random location and depth (up to four feet below ground surface), to be determined in the field, in each of the 14 sampling units shown in the attached figure. The sampling units enclose areas of approximately 1.5 acres.

Samples will be collected with a trowel or hand auger, depending on sample depth. Sampling equipment will be decontaminated before each use. Samples will be transferred to labeled, pre-cleaned sample containers. Samples for PAH analyses will be stored at $\leq 4^{\circ}$ C prior to analyses. All samples will be managed under chain-of-custody protocols.

Coal ash samples will be submitted to Fibertec Environmental Services of Holt, Michigan for analyses of arsenic and PAH species using U.S. EPA and MDEQ approved methods (SW-846).



After receipt of laboratory analysis reports, the due care evaluation data will be compiled, interpreted and provided to the MDEQ in a letter report format.

SCHEDULE

Sample collection is anticipated to occur within two weeks after MDEQ approval of this due care assessment plan. Please let me know as soon as possible whether this plan and approved schedule is approved because Homrich is very interested in having this work conducted promptly. Laboratory analysis data will be received within two to four weeks after sample collection. A letter report of findings will be issued to the MDEQ approximately two weeks after receipt of laboratory analysis reports. Thank you for your attention to this matter.

Very truly yours,

SOIL AND MATERIALS ENGINEERS, INC.



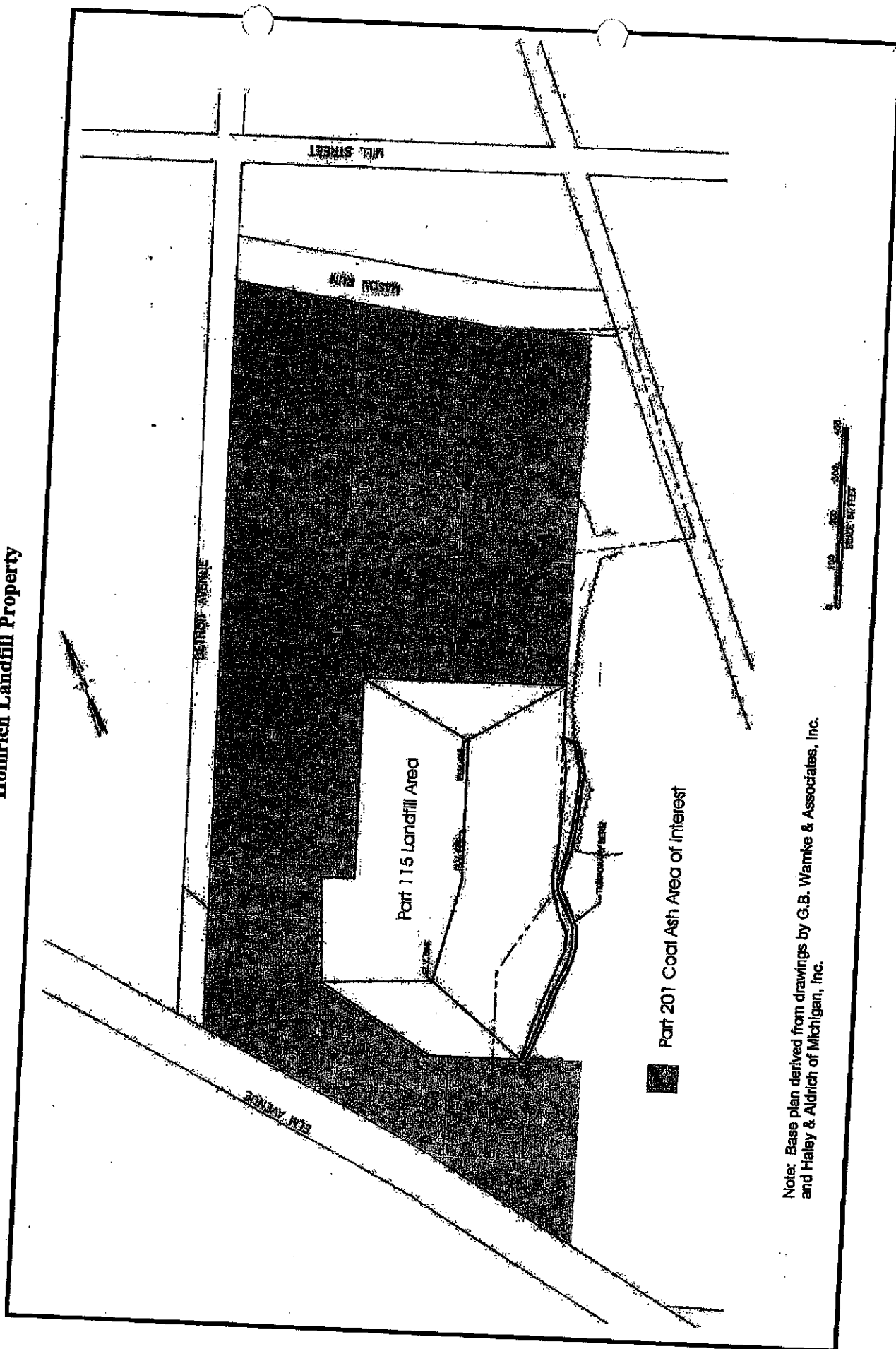
James M. Harless, Ph.D., CHMM
Senior Consultant

Distribution: Mr. Roger Homrich – Homrich Incorporated
Mr. Richard Baron, Esq. - Foley, Baron & Metzger
Mr. Jim Sygo - MDEQ
Mr. George Bruchmann – MDEQ
Mr. Frank Ruswick – MDEQ
Mr. Pat Brennan - MDEQ
Ms. Marta Fisher - MDEQ
Ms. Susan Holben – MEDC
Ms. Kathleen Cavanaugh - DAG

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SAMPLING LOCATION DIAGRAM **Due Care Evaluation** **Homrich Landfill Property**



Note: Base plan derived from drawings by G.B. Wamke & Associates, Inc. and Haley & Aldrich of Michigan, Inc.



JENNIFER M. GRANHOLM
GOVERNOR

STATE OF MICHIGAN
DEPARTMENT OF ENVIRONMENTAL QUALITY
JACKSON DISTRICT OFFICE

REC'D NOV 10 2004



STEVEN E. CHESTER
DIRECTOR

November 9, 2004

Mr. Roger Homrich
Homrich, Inc.
200 Matlin Road
Carleton, Michigan 48117

Dear Mr. Homrich:

SUBJECT: Due Care Assessment Plan
Former Jefferson Smurfit East Mill Landfill

The Department of Environmental Quality (DEQ), Waste and Hazardous Materials Division (WHMD) has reviewed the Due Care Assessment Plan for the former Jefferson Smurfit East Mill Landfill dated May 3, 2004. This review was conducted pursuant to Part 115, Solid Waste Management, Michigan Compiled Laws (MCL) 324.11501 et seq. and Part 201, Environmental Response, MCL 324.20101 et seq. of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended (NREPA) and any rules promulgated pursuant to the Act. Based on that review, the WHMD has determined that the Due Care Assessment Plan is acceptable and is hereby approved. At the time the Laboratory Analysis Report is submitted to the DEQ please provide a copy of the Response Action Plan or a schedule for completion of the Response Action Plan. The Response Action Plan should be in compliance with Section 20107a of the NREPA and should include a schedule for completion of the proposed action.

If you have any questions, feel free to contact me at e-mail address beanl@michigan.gov or at the number below.

Sincerely,

Lawrence E Bean

Lawrence E Bean, Geologist
Waste and Hazardous Materials Division
517-780-7842

cc: Ms. Jamie Dean, Monroe County Health Dept
Mr. James Harless, Soil and Materials Engineers
Ms. Sue Holben, Michigan Economic Development Corporation
Ms. Kathy Cavanaugh, Department of the Attorney General
Mr. Jim Sygo, Deputy Director, DEQ
Mr. George W. Bruchmann, DEQ
Mr. Philip Roycraft, DEQ
Ms. Marta Fisher, DEQ
Ms. Becky Kocsis, DEQ
Mr. Lee Carter, DEQ
Mr. Patrick Brennan, DEQ

ATTACHMENT C
ANALYTICAL RESULTS TABLE

TABLE 1
DUE CARE SOIL SAMPLING ANALYTICAL RESULTS
FORMER JEFFERSON SMURFIT CORPORATION LANDFILL
MONROE, MICHIGAN

| Parameter | DWP | CSIP | GCP | SVIA | ISVSI | PSI | DC | SP201 | SP202 | SP203 | SP204 | SP205 | SP206 | SP207 | SP208 | SP209 | SP210 | SP211 | SP212 | SP213 | SP214 |
|--------------------|---------|--------|-----------|---------------|-------------|---------------|------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| | | | | | | | | 8-2" | 0-2" | 0-2" | 0-2" | 0-2" | 0-2" | 0-2" | 0-2" | 0-2" | 0-2" | 0-2" | 0-2" | 0-2" | 0-2" |
| | | | | | | | | 2/15/04 | 2/15/05 | 2/15/05 | 2/15/05 | 2/15/05 | 2/15/05 | 2/15/05 | 2/15/05 | 2/15/05 | 2/15/05 | 2/15/05 | 2/15/05 | 2/15/05 | 2/15/05 |
| Benz(a)anthracene | NLL | NLL | NLL | NLV | NLV | NLV | 20,000 | <330 | <330 | 480 | <330 | <330 | <330 | <330 | <330 | <330 | <330 | <330 | <330 | <330 | <330 |
| Chrysene | NLL | NLL | NLL | ID | ID | ID | 2,000,000 | <330 | <330 | 590 | <330 | <330 | <330 | <330 | <330 | <330 | <330 | <330 | <330 | <330 | <330 |
| Fluoranthene | 730,000 | 5,500 | 730,000 | 1,000,000,000 | 740,000,000 | 9,300,000,000 | 46,000,000 | <330 | <330 | 580 | <330 | <330 | <330 | <330 | <330 | <330 | <330 | <330 | <330 | <330 | <330 |
| 2-Methylanthracene | 57,000 | ID | 5,500,000 | ID | ID | ID | 8,100,000 | <330 | <330 | <330 | <330 | 400 | 380 | <330 | <330 | <330 | <330 | <330 | <330 | <330 | <330 |
| Phenanthrene | 56,000 | 5,300 | 1,100,000 | 2,800,000 | 160,000 | 6,700,000 | 1,600,000 | <330 | <330 | 340 | <330 | <330 | <330 | <330 | <330 | <330 | <330 | <330 | <330 | <330 | <330 |
| Pyrene | 480,000 | ID | 480,000 | 1,000,000,000 | 650,000,000 | 6,700,000,000 | 29,000,000 | <330 | <330 | 890 | <330 | <330 | <330 | <330 | <330 | <330 | <330 | <330 | <330 | <330 | <330 |
| Remaining PAHs | CS | CS | CS | CS | CS | CS | CS | <330 | <330 | <330 | <330 | <330 | <330 | <330 | <330 | <330 | <330 | <330 | <330 | <330 | <330 |
| Asbestos | 33,000 | 70,000 | 2,000,000 | NLV | NLV | 720,000 | 7,600 | 78,000 | 17,000 | 11,400 | 2,000 | 13,400 | 43,000 | 53,000 | 25,000 | 31,000 | 53,000 | 53,000 | 37,000 | 86,000 | 59,000 |
| Asbestos | 23,800 | 70,000 | 2,000,000 | NLV | NLV | 910,000 | 3,500 | 78,000 | 17,000 | 11,000 | 2,000 | 13,000 | 43,000 | 53,000 | 25,000 | 31,000 | 53,000 | 53,000 | 37,000 | 86,000 | 59,000 |

NOTES:

1. DWP = Drinking Water Protection Criteria
2. CSIP = Groundwater Surface Water Interface Protection Criteria
3. GCP = Groundwater Contact Protection Criteria
4. SVIA = Soil Volatilization to Indoor Air Inhalation Criteria
5. ISVSI = Infinite Source Volatile Inhalation Criteria
6. PSI = Particulate Soil Inhalation Criteria
7. DC = Direct Contact Criteria
8. CS = Criteria is compound specific.
9. <RL = Less than reporting limit.
10. ID = Inadequate data to develop criterion.
11. NLV = Not likely to volatilize.
12. NA = Parameter not selected for analysis.

ATTACHMENT D
LABORATORY ANALYTICAL DATA SHEETS

ANALYTICAL LABORATORY RESULTS

CLIENT IDENTIFICATION: **SME**

SAMPLE MATRIX: **SOIL**

FIBERTEC PROJECT NO: **81302**

FIBERTEC SAMPLE NUMBER: **005**

CLIENT SAMPLE INFORMATION

PROJECT IDENTIFICATION: **HOMRICH LANDFILL**

CLIENT SAMPLE DESCRIPTION: **SP201 (0-2')**

PROJECT NUMBER: **PE46643**

CLIENT SAMPLE NUMBER: **5**

SAMPLE DATE: **2/15/2005**

CHAIN OF CUSTODY NUMBER: **47871**

COMMENTS:

ALL RESULTS REPORTED ON DRY WEIGHT BASIS. PERCENT MOISTURE = 19%

DEFINITIONS:

**ND = NOT DETECTED AT OR ABOVE REPORTING LIMIT; RL = REPORTING LIMIT
N/A = NOT AVAILABLE OR NOT APPLICABLE**

| ANALYTE | RESULT | UNITS | RL | METHOD | BATCH | PREPARATION DATE | ANALYSIS DATE | TECH. INT. |
|------------------------|--------|-------|-----|-------------|-------|------------------|---------------|------------|
| ACENAPHTHENE | ND | ug/Kg | 330 | 3550B/8270C | 32540 | 2/22/2005 | 2/23/2005 | LAN |
| ACENAPHTHYLENE | ND | ug/Kg | 330 | 3550B/8270C | 32540 | 2/22/2005 | 2/23/2005 | LAN |
| ANTHRACENE | ND | ug/Kg | 330 | 3550B/8270C | 32540 | 2/22/2005 | 2/23/2005 | LAN |
| BENZO(a)ANTHRACENE | ND | ug/Kg | 330 | 3550B/8270C | 32540 | 2/22/2005 | 2/23/2005 | LAN |
| BENZO(a)PYRENE | ND | ug/Kg | 330 | 3550B/8270C | 32540 | 2/22/2005 | 2/23/2005 | LAN |
| BENZO(b)FLUORANTHENE | ND | ug/Kg | 330 | 3550B/8270C | 32540 | 2/22/2005 | 2/23/2005 | LAN |
| BENZO(ghi)PERYLENE | ND | ug/Kg | 330 | 3550B/8270C | 32540 | 2/22/2005 | 2/23/2005 | LAN |
| BENZO(k)FLUORANTHENE | ND | ug/Kg | 330 | 3550B/8270C | 32540 | 2/22/2005 | 2/23/2005 | LAN |
| CHRYSENE | ND | ug/Kg | 330 | 3550B/8270C | 32540 | 2/22/2005 | 2/23/2005 | LAN |
| DIBENZO(a,h)ANTHRACENE | ND | ug/Kg | 330 | 3550B/8270C | 32540 | 2/22/2005 | 2/23/2005 | LAN |
| FLUORANTHENE | ND | ug/Kg | 330 | 3550B/8270C | 32540 | 2/22/2005 | 2/23/2005 | LAN |
| FLUORENE | ND | ug/Kg | 330 | 3550B/8270C | 32540 | 2/22/2005 | 2/23/2005 | LAN |
| INDENO(1,2,3-cd)PYRENE | ND | ug/Kg | 330 | 3550B/8270C | 32540 | 2/22/2005 | 2/23/2005 | LAN |
| 2-METHYLNAPHTHALENE | ND | ug/Kg | 330 | 3550B/8270C | 32540 | 2/22/2005 | 2/23/2005 | LAN |
| NAPHTHALENE | ND | ug/Kg | 330 | 3550B/8270C | 32540 | 2/22/2005 | 2/23/2005 | LAN |
| PHENANTHRENE | ND | ug/Kg | 330 | 3550B/8270C | 32540 | 2/22/2005 | 2/23/2005 | LAN |
| PYRENE | ND | ug/Kg | 330 | 3550B/8270C | 32540 | 2/22/2005 | 2/23/2005 | LAN |
| ARSENIC | 78,000 | ug/Kg | 100 | 3050B/6020 | 32550 | 2/18/2005 | 2/21/2005 | JAG |

ANALYTICAL LABORATORY RESULTS

CLIENT IDENTIFICATION: **SME**
FIBERTEC PROJECT NO: **81302**

SAMPLE MATRIX: **SOIL**
FIBERTEC SAMPLE NUMBER: **006**

CLIENT SAMPLE INFORMATION

PROJECT IDENTIFICATION: **HOMRICH LANDFILL** CLIENT SAMPLE DESCRIPTION: **SP202 (0-2')**
PROJECT NUMBER: **PE46643** CLIENT SAMPLE NUMBER: **6**
SAMPLE DATE: **2/15/2005** CHAIN OF CUSTODY NUMBER: **47871**

COMMENTS: **ALL RESULTS REPORTED ON DRY WEIGHT BASIS. PERCENT MOISTURE = 21%**

DEFINITIONS: **ND = NOT DETECTED AT OR ABOVE REPORTING LIMIT; RL = REPORTING LIMIT
N/A = NOT AVAILABLE OR NOT APPLICABLE**

| ANALYTE | RESULT | UNITS | RL | METHOD | BATCH | PREPARATION DATE | ANALYSIS DATE | TECH. INIT. |
|------------------------|--------|-------|-----|-------------|-------|------------------|---------------|-------------|
| ACENAPHTHENE | ND | ug/Kg | 330 | 3550B/8270C | 32540 | 2/22/2005 | 2/23/2005 | LAN |
| ACENAPHTHYLENE | ND | ug/Kg | 330 | 3550B/8270C | 32540 | 2/22/2005 | 2/23/2005 | LAN |
| ANTHRACENE | ND | ug/Kg | 330 | 3550B/8270C | 32540 | 2/22/2005 | 2/23/2005 | LAN |
| BENZO(a)ANTHRACENE | ND | ug/Kg | 330 | 3550B/8270C | 32540 | 2/22/2005 | 2/23/2005 | LAN |
| BENZO(a)PYRENE | ND | ug/Kg | 330 | 3550B/8270C | 32540 | 2/22/2005 | 2/23/2005 | LAN |
| BENZO(b)FLUORANTHENE | ND | ug/Kg | 330 | 3550B/8270C | 32540 | 2/22/2005 | 2/23/2005 | LAN |
| BENZO(ghi)PERYLENE | ND | ug/Kg | 330 | 3550B/8270C | 32540 | 2/22/2005 | 2/23/2005 | LAN |
| BENZO(k)FLUORANTHENE | ND | ug/Kg | 330 | 3550B/8270C | 32540 | 2/22/2005 | 2/23/2005 | LAN |
| CHRYSENE | ND | ug/Kg | 330 | 3550B/8270C | 32540 | 2/22/2005 | 2/23/2005 | LAN |
| DIBENZO(a,h)ANTHRACENE | ND | ug/Kg | 330 | 3550B/8270C | 32540 | 2/22/2005 | 2/23/2005 | LAN |
| FLUORANTHENE | ND | ug/Kg | 330 | 3550B/8270C | 32540 | 2/22/2005 | 2/23/2005 | LAN |
| FLUORENE | ND | ug/Kg | 330 | 3550B/8270C | 32540 | 2/22/2005 | 2/23/2005 | LAN |
| INDENO(1,2,3-cd)PYRENE | ND | ug/Kg | 330 | 3550B/8270C | 32540 | 2/22/2005 | 2/23/2005 | LAN |
| 2-METHYLNAPHTHALENE | ND | ug/Kg | 330 | 3550B/8270C | 32540 | 2/22/2005 | 2/23/2005 | LAN |
| NAPHTHALENE | ND | ug/Kg | 330 | 3550B/8270C | 32540 | 2/22/2005 | 2/23/2005 | LAN |
| PHENANTHRENE | ND | ug/Kg | 330 | 3550B/8270C | 32540 | 2/22/2005 | 2/23/2005 | LAN |
| PYRENE | ND | ug/Kg | 330 | 3550B/8270C | 32540 | 2/22/2005 | 2/23/2005 | LAN |
| ARSENIC | 17,000 | ug/Kg | 100 | 3050B/6020 | 32550 | 2/18/2005 | 2/21/2005 | JAG |

ANALYTICAL LABORATORY RESULTS

CLIENT IDENTIFICATION: **SME**
FIBERTEC PROJECT NO: **81302**

SAMPLE MATRIX: **SOIL**
FIBERTEC SAMPLE NUMBER: **007**

CLIENT SAMPLE INFORMATION

PROJECT IDENTIFICATION: **HOMRICH LANDFILL** CLIENT SAMPLE DESCRIPTION: **SP203 (0-2')**
PROJECT NUMBER: **PE46643** CLIENT SAMPLE NUMBER: **7**
SAMPLE DATE: **2/15/2005** CHAIN OF CUSTODY NUMBER: **47871**

COMMENTS: **ALL RESULTS REPORTED ON DRY WEIGHT BASIS. PERCENT MOISTURE = 23%**
***RAISED RL DUE TO SAMPLE MATRIX**

DEFINITIONS: **ND = NOT DETECTED AT OR ABOVE REPORTING LIMIT; RL = REPORTING LIMIT**
N/A = NOT AVAILABLE OR NOT APPLICABLE

| ANALYTE | RESULT | UNITS | RL | METHOD | BATCH | PREPARATION DATE | ANALYSIS DATE | TECH. INIT. |
|------------------------|--------|-------|--------|-------------|-------|------------------|---------------|-------------|
| ACENAPHTHENE | ND | ug/Kg | 330 | 3550B/8270C | 32540 | 2/22/2005 | 2/24/2005 | LAN |
| ACENAPHTHYLENE | ND | ug/Kg | 330 | 3550B/8270C | 32540 | 2/22/2005 | 2/24/2005 | LAN |
| ANTHRACENE | ND | ug/Kg | 330 | 3550B/8270C | 32540 | 2/22/2005 | 2/24/2005 | LAN |
| BENZO(a)ANTHRACENE | 480 | ug/Kg | 330 | 3550B/8270C | 32540 | 2/22/2005 | 2/24/2005 | LAN |
| BENZO(a)PYRENE | ND | ug/Kg | 1,700* | 3550B/8270C | 32540 | 2/22/2005 | 2/24/2005 | LAN |
| BENZO(b)FLUORANTHENE | ND | ug/Kg | 1,700* | 3550B/8270C | 32540 | 2/22/2005 | 2/24/2005 | LAN |
| BENZO(ghi)PERYLENE | ND | ug/Kg | 1,700* | 3550B/8270C | 32540 | 2/22/2005 | 2/24/2005 | LAN |
| BENZO(k)FLUORANTHENE | ND | ug/Kg | 1,700* | 3550B/8270C | 32540 | 2/22/2005 | 2/24/2005 | LAN |
| CHRYSENE | 590 | ug/Kg | 330 | 3550B/8270C | 32540 | 2/22/2005 | 2/24/2005 | LAN |
| DIBENZO(a,h)ANTHRACENE | ND | ug/Kg | 1,700* | 3550B/8270C | 32540 | 2/22/2005 | 2/24/2005 | LAN |
| FLUORANTHENE | 580 | ug/Kg | 330 | 3550B/8270C | 32540 | 2/22/2005 | 2/24/2005 | LAN |
| FLUORENE | ND | ug/Kg | 330 | 3550B/8270C | 32540 | 2/22/2005 | 2/24/2005 | LAN |
| INDENO(1,2,3-cd)PYRENE | ND | ug/Kg | 1,700* | 3550B/8270C | 32540 | 2/22/2005 | 2/24/2005 | LAN |
| 2-METHYLNAPHTHALENE | ND | ug/Kg | 330 | 3550B/8270C | 32540 | 2/22/2005 | 2/24/2005 | LAN |
| NAPHTHALENE | ND | ug/Kg | 330 | 3550B/8270C | 32540 | 2/22/2005 | 2/24/2005 | LAN |
| PHENANTHRENE | 340 | ug/Kg | 330 | 3550B/8270C | 32540 | 2/22/2005 | 2/24/2005 | LAN |
| PYRENE | 890 | ug/Kg | 330 | 3550B/8270C | 32540 | 2/22/2005 | 2/24/2005 | LAN |
| ARSENIC | 11,000 | ug/Kg | 100 | 3050B/6020 | 32550 | 2/18/2005 | 2/21/2005 | JAG |

ANALYTICAL LABORATORY RESULTS

CLIENT IDENTIFICATION: **SME** SAMPLE MATRIX: **SOIL**
FIBERTEC PROJECT NO: **81302** FIBERTEC SAMPLE NUMBER: **008**

CLIENT SAMPLE INFORMATION

PROJECT IDENTIFICATION: **HOMRICH LANDFILL** CLIENT SAMPLE DESCRIPTION: **SP204 (0-2')**
PROJECT NUMBER: **PE46643** CLIENT SAMPLE NUMBER: **8**
SAMPLE DATE: **2/15/2005** CHAIN OF CUSTODY NUMBER: **47871**

COMMENTS: **ALL RESULTS REPORTED ON DRY WEIGHT BASIS. PERCENT MOISTURE - 38%**

DEFINITIONS: **ND - NOT DETECTED AT OR ABOVE REPORTING LIMIT; RL - REPORTING LIMIT
N/A - NOT AVAILABLE OR NOT APPLICABLE**

| ANALYTE | RESULT | UNITS | RL | METHOD | BATCH | PREPARATION DATE | ANALYSIS DATE | TECH. INIT. |
|------------------------|--------|-------|-----|-------------|-------|------------------|---------------|-------------|
| ACENAPHTHENE | ND | ug/Kg | 330 | 3550B/8270C | 32540 | 2/22/2005 | 2/23/2005 | LAN |
| ACENAPHTHYLENE | ND | ug/Kg | 330 | 3550B/8270C | 32540 | 2/22/2005 | 2/23/2005 | LAN |
| ANTHRACENE | ND | ug/Kg | 330 | 3550B/8270C | 32540 | 2/22/2005 | 2/23/2005 | LAN |
| BENZO(a)ANTHRACENE | ND | ug/Kg | 330 | 3550B/8270C | 32540 | 2/22/2005 | 2/23/2005 | LAN |
| BENZO(a)PYRENE | ND | ug/Kg | 330 | 3550B/8270C | 32540 | 2/22/2005 | 2/23/2005 | LAN |
| BENZO(b)FLUORANTHENE | ND | ug/Kg | 330 | 3550B/8270C | 32540 | 2/22/2005 | 2/23/2005 | LAN |
| BENZO(ghi)PERYLENE | ND | ug/Kg | 330 | 3550B/8270C | 32540 | 2/22/2005 | 2/23/2005 | LAN |
| BENZO(k)FLUORANTHENE | ND | ug/Kg | 330 | 3550B/8270C | 32540 | 2/22/2005 | 2/23/2005 | LAN |
| CHRYSENE | ND | ug/Kg | 330 | 3550B/8270C | 32540 | 2/22/2005 | 2/23/2005 | LAN |
| DIBENZO(a,h)ANTHRACENE | ND | ug/Kg | 330 | 3550B/8270C | 32540 | 2/22/2005 | 2/23/2005 | LAN |
| FLUORANTHENE | ND | ug/Kg | 330 | 3550B/8270C | 32540 | 2/22/2005 | 2/23/2005 | LAN |
| FLUORENE | ND | ug/Kg | 330 | 3550B/8270C | 32540 | 2/22/2005 | 2/23/2005 | LAN |
| INDENO(1,2,3-cd)PYRENE | ND | ug/Kg | 330 | 3550B/8270C | 32540 | 2/22/2005 | 2/23/2005 | LAN |
| 2-METHYLNAPHTHALENE | ND | ug/Kg | 330 | 3550B/8270C | 32540 | 2/22/2005 | 2/23/2005 | LAN |
| NAPHTHALENE | ND | ug/Kg | 330 | 3550B/8270C | 32540 | 2/22/2005 | 2/23/2005 | LAN |
| PHENANTHRENE | ND | ug/Kg | 330 | 3550B/8270C | 32540 | 2/22/2005 | 2/23/2005 | LAN |
| PYRENE | ND | ug/Kg | 330 | 3550B/8270C | 32540 | 2/22/2005 | 2/23/2005 | LAN |
| ARSENIC | 24,000 | ug/Kg | 100 | 3050B/6020 | 32550 | 2/18/2005 | 2/21/2005 | JAG |

ANALYTICAL LABORATORY RESULTS

CLIENT IDENTIFICATION: **SME** SAMPLE MATRIX: **SOIL**
FIBERTEC PROJECT NO: **81302** FIBERTEC SAMPLE NUMBER: **009**

CLIENT SAMPLE INFORMATION

PROJECT IDENTIFICATION: **HOMRICH LANDFILL** CLIENT SAMPLE DESCRIPTION: **SP205 (0-2')**
PROJECT NUMBER: **PE46643** CLIENT SAMPLE NUMBER: **9**
SAMPLE DATE: **2/15/2005** CHAIN OF CUSTODY NUMBER: **47871**

COMMENTS: **ALL RESULTS REPORTED ON DRY WEIGHT BASIS. PERCENT MOISTURE = 23%**

DEFINITIONS: **ND = NOT DETECTED AT OR ABOVE REPORTING LIMIT; RL = REPORTING LIMIT
N/A = NOT AVAILABLE OR NOT APPLICABLE**

| ANALYTE | RESULT | UNITS | RL | METHOD | BATCH | PREPARATION DATE | ANALYSIS DATE | TECH. INIT. |
|------------------------|--------|-------|-----|-------------|-------|------------------|---------------|-------------|
| ACENAPHTHENE | ND | ug/Kg | 330 | 3550B/8270C | 32540 | 2/22/2005 | 2/23/2005 | LAN |
| ACENAPHTHYLENE | ND | ug/Kg | 330 | 3550B/8270C | 32540 | 2/22/2005 | 2/23/2005 | LAN |
| ANTHRACENE | ND | ug/Kg | 330 | 3550B/8270C | 32540 | 2/22/2005 | 2/23/2005 | LAN |
| BENZO(a)ANTHRACENE | ND | ug/Kg | 330 | 3550B/8270C | 32540 | 2/22/2005 | 2/23/2005 | LAN |
| BENZO(a)PYRENE | ND | ug/Kg | 330 | 3550B/8270C | 32540 | 2/22/2005 | 2/23/2005 | LAN |
| BENZO(b)FLUORANTHENE | ND | ug/Kg | 330 | 3550B/8270C | 32540 | 2/22/2005 | 2/23/2005 | LAN |
| BENZO(ghi)PERYLENE | ND | ug/Kg | 330 | 3550B/8270C | 32540 | 2/22/2005 | 2/23/2005 | LAN |
| BENZO(k)FLUORANTHENE | ND | ug/Kg | 330 | 3550B/8270C | 32540 | 2/22/2005 | 2/23/2005 | LAN |
| CHRYSENE | ND | ug/Kg | 330 | 3550B/8270C | 32540 | 2/22/2005 | 2/23/2005 | LAN |
| DIBENZO(a,h)ANTHRACENE | ND | ug/Kg | 330 | 3550B/8270C | 32540 | 2/22/2005 | 2/23/2005 | LAN |
| FLUORANTHENE | ND | ug/Kg | 330 | 3550B/8270C | 32540 | 2/22/2005 | 2/23/2005 | LAN |
| FLUORENE | ND | ug/Kg | 330 | 3550B/8270C | 32540 | 2/22/2005 | 2/23/2005 | LAN |
| INDENO(1,2,3-cd)PYRENE | ND | ug/Kg | 330 | 3550B/8270C | 32540 | 2/22/2005 | 2/23/2005 | LAN |
| 2-METHYLNAPHTHALENE | 400 | ug/Kg | 330 | 3550B/8270C | 32540 | 2/22/2005 | 2/23/2005 | LAN |
| NAPHTHALENE | ND | ug/Kg | 330 | 3550B/8270C | 32540 | 2/22/2005 | 2/23/2005 | LAN |
| PHENANTHRENE | ND | ug/Kg | 330 | 3550B/8270C | 32540 | 2/22/2005 | 2/23/2005 | LAN |
| PYRENE | ND | ug/Kg | 330 | 3550B/8270C | 32540 | 2/22/2005 | 2/23/2005 | LAN |
| ARSENIC | 13,000 | ug/Kg | 100 | 3050B/6020 | 32550 | 2/18/2005 | 2/21/2005 | JAG |

ANALYTICAL LABORATORY RESULTS

CLIENT IDENTIFICATION: **SME**
FIBERTEC PROJECT NO: **81302**

SAMPLE MATRIX: **SOIL**
FIBERTEC SAMPLE NUMBER: **010**

CLIENT SAMPLE INFORMATION

PROJECT IDENTIFICATION: **HOMRICH LANDFILL** CLIENT SAMPLE DESCRIPTION: **SP206 (0-2')**
PROJECT NUMBER: **PE46643** CLIENT SAMPLE NUMBER: **10**
SAMPLE DATE: **2/15/2005** CHAIN OF CUSTODY NUMBER: **47871**

COMMENTS: **ALL RESULTS REPORTED ON DRY WEIGHT BASIS. PERCENT MOISTURE = 26%**

DEFINITIONS: **ND = NOT DETECTED AT OR ABOVE REPORTING LIMIT; RL = REPORTING LIMIT
N/A = NOT AVAILABLE OR NOT APPLICABLE**

| ANALYTE | RESULT | UNITS | RL | METHOD | BATCH | PREPARATION DATE | ANALYSIS DATE | TECH. INIT. |
|------------------------|--------|-------|-----|-------------|-------|---------------------|------------------|-------------|
| ACENAPHTHENE | ND | ug/Kg | 330 | 3550B/8270C | 32540 | 2/22/2005 | 2/24/2005 | LAN |
| ACENAPHTHYLENE | ND | ug/Kg | 330 | 3550B/8270C | 32540 | 2/22/2005 | 2/24/2005 | LAN |
| ANTHRACENE | ND | ug/Kg | 330 | 3550B/8270C | 32540 | 2/22/2005 | 2/24/2005 | LAN |
| BENZO(a)ANTHRACENE | ND | ug/Kg | 330 | 3550B/8270C | 32540 | 2/22/2005 | 2/24/2005 | LAN |
| BENZO(a)PYRENE | ND | ug/Kg | 330 | 3550B/8270C | 32540 | 2/22/2005 | 2/24/2005 | LAN |
| BENZO(b)FLUORANTHENE | ND | ug/Kg | 330 | 3550B/8270C | 32540 | 2/22/2005 | 2/24/2005 | LAN |
| BENZO(ghi)PERYLENE | ND | ug/Kg | 330 | 3550B/8270C | 32540 | 2/22/2005 | 2/24/2005 | LAN |
| BENZO(k)FLUORANTHENE | ND | ug/Kg | 330 | 3550B/8270C | 32540 | 2/22/2005 | 2/24/2005 | LAN |
| CHRYSENE | ND | ug/Kg | 330 | 3550B/8270C | 32540 | 2/22/2005 | 2/24/2005 | LAN |
| DIBENZO(a,h)ANTHRACENE | ND | ug/Kg | 330 | 3550B/8270C | 32540 | 2/22/2005 | 2/24/2005 | LAN |
| FLUORANTHENE | ND | ug/Kg | 330 | 3550B/8270C | 32540 | 2/22/2005 | 2/24/2005 | LAN |
| FLUORENE | ND | ug/Kg | 330 | 3550B/8270C | 32540 | 2/22/2005 | 2/24/2005 | LAN |
| INDENO(1,2,3-cd)PYRENE | ND | ug/Kg | 330 | 3550B/8270C | 32540 | 2/22/2005 | 2/24/2005 | LAN |
| 2-METHYLNAPHTHALENE | 380 | ug/Kg | 330 | 3550B/8270C | 32540 | 2/22/2005 | 2/24/2005 | LAN |
| NAPHTHALENE | ND | ug/Kg | 330 | 3550B/8270C | 32540 | 2/22/2005 | 2/24/2005 | LAN |
| PHENANTHRENE | ND | ug/Kg | 330 | 3550B/8270C | 32540 | 2/22/2005 | 2/24/2005 | LAN |
| PYRENE | ND | ug/Kg | 330 | 3550B/8270C | 32540 | 2/22/2005 | 2/24/2005 | LAN |
| ARSENIC | 43,000 | ug/Kg | 100 | 3050B/6020 | 32550 | 2/18/2005 | 2/21/2005 | JAG |

ANALYTICAL LABORATORY RESULTS

| | |
|-----------------------------------|------------------------------------|
| CLIENT IDENTIFICATION: SME | SAMPLE MATRIX: SOIL |
| FIBERTEC PROJECT NO: 81302 | FIBERTEC SAMPLE NUMBER: 011 |

CLIENT SAMPLE INFORMATION

| | |
|---|--|
| PROJECT IDENTIFICATION: HOMRICH LANDFILL | CLIENT SAMPLE DESCRIPTION: SP207 (0-2') |
| PROJECT NUMBER: PE46643 | CLIENT SAMPLE NUMBER: 11 |
| SAMPLE DATE: 2/15/2005 | CHAIN OF CUSTODY NUMBER: 47872 |

COMMENTS: **ALL RESULTS REPORTED ON DRY WEIGHT BASIS. PERCENT MOISTURE = 22%**

DEFINITIONS: **ND = NOT DETECTED AT OR ABOVE REPORTING LIMIT; RL = REPORTING LIMIT
N/A = NOT AVAILABLE OR NOT APPLICABLE**

| ANALYTE | RESULT | UNITS | RL | METHOD | BATCH | PREPARATION DATE | ANALYSIS DATE | TECH. INIT. |
|------------------------|--------|-------|-----|-------------|-------|------------------|---------------|-------------|
| ACENAPHTHENE | ND | ug/Kg | 330 | 3550B/8270C | 32540 | 2/22/2005 | 2/24/2005 | LAN |
| ACENAPHTHYLENE | ND | ug/Kg | 330 | 3550B/8270C | 32540 | 2/22/2005 | 2/24/2005 | LAN |
| ANTHRACENE | ND | ug/Kg | 330 | 3550B/8270C | 32540 | 2/22/2005 | 2/24/2005 | LAN |
| BENZO(a)ANTHRACENE | ND | ug/Kg | 330 | 3550B/8270C | 32540 | 2/22/2005 | 2/24/2005 | LAN |
| BENZO(a)PYRENE | ND | ug/Kg | 330 | 3550B/8270C | 32540 | 2/22/2005 | 2/24/2005 | LAN |
| BENZO(b)FLUORANTHENE | ND | ug/Kg | 330 | 3550B/8270C | 32540 | 2/22/2005 | 2/24/2005 | LAN |
| BENZO(ghi)PERYLENE | ND | ug/Kg | 330 | 3550B/8270C | 32540 | 2/22/2005 | 2/24/2005 | LAN |
| BENZO(k)FLUORANTHENE | ND | ug/Kg | 330 | 3550B/8270C | 32540 | 2/22/2005 | 2/24/2005 | LAN |
| CHRYSENE | ND | ug/Kg | 330 | 3550B/8270C | 32540 | 2/22/2005 | 2/24/2005 | LAN |
| DIBENZO(a,h)ANTHRACENE | ND | ug/Kg | 330 | 3550B/8270C | 32540 | 2/22/2005 | 2/24/2005 | LAN |
| FLUORANTHENE | ND | ug/Kg | 330 | 3550B/8270C | 32540 | 2/22/2005 | 2/24/2005 | LAN |
| FLUORENE | ND | ug/Kg | 330 | 3550B/8270C | 32540 | 2/22/2005 | 2/24/2005 | LAN |
| INDENO(1,2,3-cd)PYRENE | ND | ug/Kg | 330 | 3550B/8270C | 32540 | 2/22/2005 | 2/24/2005 | LAN |
| 2-METHYLNAPHTHALENE | ND | ug/Kg | 330 | 3550B/8270C | 32540 | 2/22/2005 | 2/24/2005 | LAN |
| NAPHTHALENE | ND | ug/Kg | 330 | 3550B/8270C | 32540 | 2/22/2005 | 2/24/2005 | LAN |
| PHENANTHRENE | ND | ug/Kg | 330 | 3550B/8270C | 32540 | 2/22/2005 | 2/24/2005 | LAN |
| PYRENE | ND | ug/Kg | 330 | 3550B/8270C | 32540 | 2/22/2005 | 2/24/2005 | LAN |
| ARSENIC | 53,000 | ug/Kg | 100 | 3050B/6020 | 32550 | 2/18/2005 | 2/21/2005 | JAG |

ANALYTICAL LABORATORY RESULTS

CLIENT IDENTIFICATION: **SME** SAMPLE MATRIX: **SOIL**
FIBERTEC PROJECT NO: **81302** FIBERTEC SAMPLE NUMBER: **012**

CLIENT SAMPLE INFORMATION

PROJECT IDENTIFICATION: **HOMRICH LANDFILL** CLIENT SAMPLE DESCRIPTION: **SP208 (0-2')**
PROJECT NUMBER: **PE46643** CLIENT SAMPLE NUMBER: **12**
SAMPLE DATE: **2/15/2005** CHAIN OF CUSTODY NUMBER: **47872**

COMMENTS: **ALL RESULTS REPORTED ON DRY WEIGHT BASIS. PERCENT MOISTURE = 22%**

DEFINITIONS: **ND = NOT DETECTED AT OR ABOVE REPORTING LIMIT; RL = REPORTING LIMIT**
N/A = NOT AVAILABLE OR NOT APPLICABLE

| ANALYTE | RESULT | UNITS | RL | METHOD | BATCH | PREPARATION DATE | ANALYSIS DATE | TECH. INIT. |
|------------------------|--------|-------|-----|-------------|-------|------------------|---------------|-------------|
| ACENAPHTHENE | ND | ug/Kg | 330 | 3550B/8270C | 32540 | 2/22/2005 | 2/24/2005 | LAN |
| ACENAPHTHYLENE | ND | ug/Kg | 330 | 3550B/8270C | 32540 | 2/22/2005 | 2/24/2005 | LAN |
| ANTHRACENE | ND | ug/Kg | 330 | 3550B/8270C | 32540 | 2/22/2005 | 2/24/2005 | LAN |
| BENZO(a)ANTHRACENE | ND | ug/Kg | 330 | 3550B/8270C | 32540 | 2/22/2005 | 2/24/2005 | LAN |
| BENZO(a)PYRENE | ND | ug/Kg | 330 | 3550B/8270C | 32540 | 2/22/2005 | 2/24/2005 | LAN |
| BENZO(b)FLUORANTHENE | ND | ug/Kg | 330 | 3550B/8270C | 32540 | 2/22/2005 | 2/24/2005 | LAN |
| BENZO(ghi)PERYLENE | ND | ug/Kg | 330 | 3550B/8270C | 32540 | 2/22/2005 | 2/24/2005 | LAN |
| BENZO(k)FLUORANTHENE | ND | ug/Kg | 330 | 3550B/8270C | 32540 | 2/22/2005 | 2/24/2005 | LAN |
| CHRYSENE | ND | ug/Kg | 330 | 3550B/8270C | 32540 | 2/22/2005 | 2/24/2005 | LAN |
| DIBENZO(a,h)ANTHRACENE | ND | ug/Kg | 330 | 3550B/8270C | 32540 | 2/22/2005 | 2/24/2005 | LAN |
| FLUORANTHENE | ND | ug/Kg | 330 | 3550B/8270C | 32540 | 2/22/2005 | 2/24/2005 | LAN |
| FLUORENE | ND | ug/Kg | 330 | 3550B/8270C | 32540 | 2/22/2005 | 2/24/2005 | LAN |
| INDENO(1,2,3-cd)PYRENE | ND | ug/Kg | 330 | 3550B/8270C | 32540 | 2/22/2005 | 2/24/2005 | LAN |
| 2-METHYLNAPHTHALENE | ND | ug/Kg | 330 | 3550B/8270C | 32540 | 2/22/2005 | 2/24/2005 | LAN |
| NAPHTHALENE | ND | ug/Kg | 330 | 3550B/8270C | 32540 | 2/22/2005 | 2/24/2005 | LAN |
| PHENANTHRENE | ND | ug/Kg | 330 | 3550B/8270C | 32540 | 2/22/2005 | 2/24/2005 | LAN |
| PYRENE | ND | ug/Kg | 330 | 3550B/8270C | 32540 | 2/22/2005 | 2/24/2005 | LAN |
| ARSENIC | 25,000 | ug/Kg | 100 | 3050B/6020 | 32550 | 2/18/2005 | 2/21/2005 | JAG |

ANALYTICAL LABORATORY RESULTS

CLIENT IDENTIFICATION: **SME**
FIBERTEC PROJECT NO: **81302**

SAMPLE MATRIX: **SOIL**
FIBERTEC SAMPLE NUMBER: **013**

CLIENT SAMPLE INFORMATION

PROJECT IDENTIFICATION: **HOMRICH LANDFILL** CLIENT SAMPLE DESCRIPTION: **SP209 (0-2')**
PROJECT NUMBER: **PE46643** CLIENT SAMPLE NUMBER: **13**
SAMPLE DATE: **2/15/2005** CHAIN OF CUSTODY NUMBER: **47872**

COMMENTS: **ALL RESULTS REPORTED ON DRY WEIGHT BASIS. PERCENT MOISTURE = 34%**

DEFINITIONS: **ND = NOT DETECTED AT OR ABOVE REPORTING LIMIT; RL = REPORTING LIMIT
N/A = NOT AVAILABLE OR NOT APPLICABLE**

| ANALYTE | RESULT | UNITS | RL | METHOD | BATCH | PREPARATION DATE | ANALYSIS DATE | TECH INIT. |
|------------------------|--------|-------|-----|-------------|-------|------------------|---------------|------------|
| ACENAPHTHENE | ND | ug/Kg | 330 | 3550B/8270C | 32540 | 2/22/2005 | 2/23/2005 | LAN |
| ACENAPHTHYLENE | ND | ug/Kg | 330 | 3550B/8270C | 32540 | 2/22/2005 | 2/23/2005 | LAN |
| ANTHRACENE | ND | ug/Kg | 330 | 3550B/8270C | 32540 | 2/22/2005 | 2/23/2005 | LAN |
| BENZO(a)ANTHRACENE | ND | ug/Kg | 330 | 3550B/8270C | 32540 | 2/22/2005 | 2/23/2005 | LAN |
| BENZO(a)PYRENE | ND | ug/Kg | 330 | 3550B/8270C | 32540 | 2/22/2005 | 2/23/2005 | LAN |
| BENZO(b)FLUORANTHENE | ND | ug/Kg | 330 | 3550B/8270C | 32540 | 2/22/2005 | 2/23/2005 | LAN |
| BENZO(ghi)PERYLENE | ND | ug/Kg | 330 | 3550B/8270C | 32540 | 2/22/2005 | 2/23/2005 | LAN |
| BENZO(k)FLUORANTHENE | ND | ug/Kg | 330 | 3550B/8270C | 32540 | 2/22/2005 | 2/23/2005 | LAN |
| CHRYSENE | ND | ug/Kg | 330 | 3550B/8270C | 32540 | 2/22/2005 | 2/23/2005 | LAN |
| DIBENZO(a,h)ANTHRACENE | ND | ug/Kg | 330 | 3550B/8270C | 32540 | 2/22/2005 | 2/23/2005 | LAN |
| FLUORANTHENE | ND | ug/Kg | 330 | 3550B/8270C | 32540 | 2/22/2005 | 2/23/2005 | LAN |
| FLUORENE | ND | ug/Kg | 330 | 3550B/8270C | 32540 | 2/22/2005 | 2/23/2005 | LAN |
| INDENO(1,2,3-cd)PYRENE | ND | ug/Kg | 330 | 3550B/8270C | 32540 | 2/22/2005 | 2/23/2005 | LAN |
| 2-METHYLNAPHTHALENE | ND | ug/Kg | 330 | 3550B/8270C | 32540 | 2/22/2005 | 2/23/2005 | LAN |
| NAPHTHALENE | ND | ug/Kg | 330 | 3550B/8270C | 32540 | 2/22/2005 | 2/23/2005 | LAN |
| PHENANTHRENE | ND | ug/Kg | 330 | 3550B/8270C | 32540 | 2/22/2005 | 2/23/2005 | LAN |
| PYRENE | ND | ug/Kg | 330 | 3550B/8270C | 32540 | 2/22/2005 | 2/23/2005 | LAN |
| ARSENIC | 31,000 | ug/Kg | 100 | 3050B/6020 | 32550 | 2/18/2005 | 2/21/2005 | JAG |

ANALYTICAL LABORATORY RESULTS

CLIENT IDENTIFICATION: **SME**

SAMPLE MATRIX: **SOIL**

FIBERTEC PROJECT NO: **81302**

FIBERTEC SAMPLE NUMBER: **014**

CLIENT SAMPLE INFORMATION

PROJECT IDENTIFICATION: **HOMRICH LANDFILL**

CLIENT SAMPLE DESCRIPTION: **SP210 (0-2')**

PROJECT NUMBER: **PE46643**

CLIENT SAMPLE NUMBER: **14**

SAMPLE DATE: **2/15/2005**

CHAIN OF CUSTODY NUMBER: **47872**

COMMENTS: **ALL RESULTS REPORTED ON DRY WEIGHT BASIS. PERCENT MOISTURE = 35%**

DEFINITIONS: **ND = NOT DETECTED AT OR ABOVE REPORTING LIMIT; RL = REPORTING LIMIT
N/A = NOT AVAILABLE OR NOT APPLICABLE**

| ANALYTE | RESULT | UNITS | RL | METHOD | BATCH | PREPARATION DATE | ANALYSIS DATE | TECH. INIT. |
|------------------------|--------|-------|-----|-------------|-------|------------------|---------------|-------------|
| ACENAPHTHENE | ND | ug/Kg | 330 | 3550B/8270C | 32540 | 2/22/2005 | 2/24/2005 | LAN |
| ACENAPHTHYLENE | ND | ug/Kg | 330 | 3550B/8270C | 32540 | 2/22/2005 | 2/24/2005 | LAN |
| ANTHRACENE | ND | ug/Kg | 330 | 3550B/8270C | 32540 | 2/22/2005 | 2/24/2005 | LAN |
| BENZO(a)ANTHRACENE | ND | ug/Kg | 330 | 3550B/8270C | 32540 | 2/22/2005 | 2/24/2005 | LAN |
| BENZO(a)PYRENE | ND | ug/Kg | 330 | 3550B/8270C | 32540 | 2/22/2005 | 2/24/2005 | LAN |
| BENZO(b)FLUORANTHENE | ND | ug/Kg | 330 | 3550B/8270C | 32540 | 2/22/2005 | 2/24/2005 | LAN |
| BENZO(ghi)PERYLENE | ND | ug/Kg | 330 | 3550B/8270C | 32540 | 2/22/2005 | 2/24/2005 | LAN |
| BENZO(k)FLUORANTHENE | ND | ug/Kg | 330 | 3550B/8270C | 32540 | 2/22/2005 | 2/24/2005 | LAN |
| CHRYSENE | ND | ug/Kg | 330 | 3550B/8270C | 32540 | 2/22/2005 | 2/24/2005 | LAN |
| DIBENZO(a,h)ANTHRACENE | ND | ug/Kg | 330 | 3550B/8270C | 32540 | 2/22/2005 | 2/24/2005 | LAN |
| FLUORANTHENE | ND | ug/Kg | 330 | 3550B/8270C | 32540 | 2/22/2005 | 2/24/2005 | LAN |
| FLUORENE | ND | ug/Kg | 330 | 3550B/8270C | 32540 | 2/22/2005 | 2/24/2005 | LAN |
| INDENO(1,2,3-cd)PYRENE | ND | ug/Kg | 330 | 3550B/8270C | 32540 | 2/22/2005 | 2/24/2005 | LAN |
| 2-METHYLNAPHTHALENE | 540 | ug/Kg | 330 | 3550B/8270C | 32540 | 2/22/2005 | 2/24/2005 | LAN |
| NAPHTHALENE | ND | ug/Kg | 330 | 3550B/8270C | 32540 | 2/22/2005 | 2/24/2005 | LAN |
| PHENANTHRENE | ND | ug/Kg | 330 | 3550B/8270C | 32540 | 2/22/2005 | 2/24/2005 | LAN |
| PYRENE | ND | ug/Kg | 330 | 3550B/8270C | 32540 | 2/22/2005 | 2/24/2005 | LAN |
| ARSENIC | 55,000 | ug/Kg | 100 | 3050B/6020 | 32550 | 2/18/2005 | 2/21/2005 | JAG |

ANALYTICAL LABORATORY RESULTS

CLIENT IDENTIFICATION: **SME**

SAMPLE MATRIX: **SOIL**

FIBERTEC PROJECT NO: **81302**

FIBERTEC SAMPLE NUMBER: **015**

CLIENT SAMPLE INFORMATION

PROJECT IDENTIFICATION: **HOMRICH LANDFILL**

CLIENT SAMPLE DESCRIPTION: **SP211 (0-2')**

PROJECT NUMBER: **PE46643**

CLIENT SAMPLE NUMBER: **15**

SAMPLE DATE: **2/15/2005**

CHAIN OF CUSTODY NUMBER: **47872**

COMMENTS: **ALL RESULTS REPORTED ON DRY WEIGHT BASIS. PERCENT MOISTURE = 27%**

DEFINITIONS: **ND = NOT DETECTED AT OR ABOVE REPORTING LIMIT; RL = REPORTING LIMIT
N/A = NOT AVAILABLE OR NOT APPLICABLE**

| ANALYTE | RESULT | UNITS | RL | METHOD | BATCH | PREPARATION DATE | ANALYSIS DATE | TECH. INT. |
|------------------------|--------|-------|-----|-------------|-------|------------------|---------------|------------|
| ACENAPHTHENE | ND | ug/Kg | 330 | 3550B/8270C | 32540 | 2/22/2005 | 2/24/2005 | LAN |
| ACENAPHTHYLENE | ND | ug/Kg | 330 | 3550B/8270C | 32540 | 2/22/2005 | 2/24/2005 | LAN |
| ANTHRACENE | ND | ug/Kg | 330 | 3550B/8270C | 32540 | 2/22/2005 | 2/24/2005 | LAN |
| BENZO(a)ANTHRACENE | ND | ug/Kg | 330 | 3550B/8270C | 32540 | 2/22/2005 | 2/24/2005 | LAN |
| BENZO(a)PYRENE | ND | ug/Kg | 330 | 3550B/8270C | 32540 | 2/22/2005 | 2/24/2005 | LAN |
| BENZO(b)FLUORANTHENE | ND | ug/Kg | 330 | 3550B/8270C | 32540 | 2/22/2005 | 2/24/2005 | LAN |
| BENZO(ghi)PERYLENE | ND | ug/Kg | 330 | 3550B/8270C | 32540 | 2/22/2005 | 2/24/2005 | LAN |
| BENZO(k)FLUORANTHENE | ND | ug/Kg | 330 | 3550B/8270C | 32540 | 2/22/2005 | 2/24/2005 | LAN |
| CHRYSENE | ND | ug/Kg | 330 | 3550B/8270C | 32540 | 2/22/2005 | 2/24/2005 | LAN |
| DIBENZO(a,h)ANTHRACENE | ND | ug/Kg | 330 | 3550B/8270C | 32540 | 2/22/2005 | 2/24/2005 | LAN |
| FLUORANTHENE | ND | ug/Kg | 330 | 3550B/8270C | 32540 | 2/22/2005 | 2/24/2005 | LAN |
| FLUORENE | ND | ug/Kg | 330 | 3550B/8270C | 32540 | 2/22/2005 | 2/24/2005 | LAN |
| INDENO(1,2,3-cd)PYRENE | ND | ug/Kg | 330 | 3550B/8270C | 32540 | 2/22/2005 | 2/24/2005 | LAN |
| 2-METHYLNAPHTHALENE | ND | ug/Kg | 330 | 3550B/8270C | 32540 | 2/22/2005 | 2/24/2005 | LAN |
| NAPHTHALENE | ND | ug/Kg | 330 | 3550B/8270C | 32540 | 2/22/2005 | 2/24/2005 | LAN |
| PHENANTHRENE | ND | ug/Kg | 330 | 3550B/8270C | 32540 | 2/22/2005 | 2/24/2005 | LAN |
| PYRENE | ND | ug/Kg | 330 | 3550B/8270C | 32540 | 2/22/2005 | 2/24/2005 | LAN |
| ARSENIC | 68,000 | ug/Kg | 100 | 3050B/6020 | 32550 | 2/18/2005 | 2/21/2005 | JAG |

ANALYTICAL LABORATORY RESULTS

CLIENT IDENTIFICATION: **SME**

SAMPLE MATRIX: **SOIL**

FIBERTEC PROJECT NO: **81302**

FIBERTEC SAMPLE NUMBER: **016**

CLIENT SAMPLE INFORMATION

PROJECT IDENTIFICATION: **HOMRICH LANDFILL**

CLIENT SAMPLE DESCRIPTION: **SP212 (0-2')**

PROJECT NUMBER: **PE46643**

CLIENT SAMPLE NUMBER: **16**

SAMPLE DATE: **2/15/2005**

CHAIN OF CUSTODY NUMBER: **47872**

COMMENTS: **ALL RESULTS REPORTED ON DRY WEIGHT BASIS. PERCENT MOISTURE = 34%**

DEFINITIONS: **ND = NOT DETECTED AT OR ABOVE REPORTING LIMIT; RL = REPORTING LIMIT
N/A = NOT AVAILABLE OR NOT APPLICABLE**

| ANALYTE | RESULT | UNITS | RL | METHOD | BATCH | PREPARATION DATE | ANALYSIS DATE | TECH. INIT. |
|------------------------|--------|-------|-----|-------------|-------|------------------|---------------|-------------|
| ACENAPHTHENE | ND | ug/Kg | 330 | 3550B/8270C | 32540 | 2/22/2005 | 2/24/2005 | LAN |
| ACENAPHTHYLENE | ND | ug/Kg | 330 | 3550B/8270C | 32540 | 2/22/2005 | 2/24/2005 | LAN |
| ANTHRACENE | ND | ug/Kg | 330 | 3550B/8270C | 32540 | 2/22/2005 | 2/24/2005 | LAN |
| BENZO(a)ANTHRACENE | ND | ug/Kg | 330 | 3550B/8270C | 32540 | 2/22/2005 | 2/24/2005 | LAN |
| BENZO(a)PYRENE | ND | ug/Kg | 330 | 3550B/8270C | 32540 | 2/22/2005 | 2/24/2005 | LAN |
| BENZO(b)FLUORANTHENE | ND | ug/Kg | 330 | 3550B/8270C | 32540 | 2/22/2005 | 2/24/2005 | LAN |
| BENZO(ghi)PERYLENE | ND | ug/Kg | 330 | 3550B/8270C | 32540 | 2/22/2005 | 2/24/2005 | LAN |
| BENZO(k)FLUORANTHENE | ND | ug/Kg | 330 | 3550B/8270C | 32540 | 2/22/2005 | 2/24/2005 | LAN |
| CHRYSENE | ND | ug/Kg | 330 | 3550B/8270C | 32540 | 2/22/2005 | 2/24/2005 | LAN |
| DIBENZO(a,h)ANTHRACENE | ND | ug/Kg | 330 | 3550B/8270C | 32540 | 2/22/2005 | 2/24/2005 | LAN |
| FLUORANTHENE | ND | ug/Kg | 330 | 3550B/8270C | 32540 | 2/22/2005 | 2/24/2005 | LAN |
| FLUORENE | ND | ug/Kg | 330 | 3550B/8270C | 32540 | 2/22/2005 | 2/24/2005 | LAN |
| INDENO(1,2,3-cd)PYRENE | ND | ug/Kg | 330 | 3550B/8270C | 32540 | 2/22/2005 | 2/24/2005 | LAN |
| 2-METHYLNAPHTHALENE | ND | ug/Kg | 330 | 3550B/8270C | 32540 | 2/22/2005 | 2/24/2005 | LAN |
| NAPHTHALENE | ND | ug/Kg | 330 | 3550B/8270C | 32540 | 2/22/2005 | 2/24/2005 | LAN |
| PHENANTHRENE | ND | ug/Kg | 330 | 3550B/8270C | 32540 | 2/22/2005 | 2/24/2005 | LAN |
| PYRENE | ND | ug/Kg | 330 | 3550B/8270C | 32540 | 2/22/2005 | 2/24/2005 | LAN |
| ARSENIC | 37,000 | ug/Kg | 100 | 3050B/6020 | 32550 | 2/18/2005 | 2/21/2005 | JAG |

ANALYTICAL LABORATORY RESULTS

CLIENT IDENTIFICATION: **SME**
FIBERTEC PROJECT NO: **81302**

SAMPLE MATRIX: **SOIL**
FIBERTEC SAMPLE NUMBER: **017**

CLIENT SAMPLE INFORMATION

PROJECT IDENTIFICATION: **HOMRICH LANDFILL** CLIENT SAMPLE DESCRIPTION: **SP213 (0-2')**
PROJECT NUMBER: **PE46643** CLIENT SAMPLE NUMBER: **17**
SAMPLE DATE: **2/15/2005** CHAIN OF CUSTODY NUMBER: **47872**

COMMENTS: **ALL RESULTS REPORTED ON DRY WEIGHT BASIS. PERCENT MOISTURE = 43%**
***RAISED RL DUE TO SAMPLE MATRIX**

DEFINITIONS: **ND = NOT DETECTED AT OR ABOVE REPORTING LIMIT; RL = REPORTING LIMIT**
N/A = NOT AVAILABLE OR NOT APPLICABLE

| ANALYTE | RESULT | UNITS | RL | METHOD | BATCH | PREPARATION DATE | ANALYSIS DATE | TECH. INIT. |
|------------------------|--------|-------|------|-------------|-------|------------------|---------------|-------------|
| ACENAPHTHENE | ND | ug/Kg | 660* | 3550B/8270C | 32540 | 2/22/2005 | 2/23/2005 | LAN |
| ACENAPHTHYLENE | ND | ug/Kg | 660* | 3550B/8270C | 32540 | 2/22/2005 | 2/23/2005 | LAN |
| ANTHRACENE | ND | ug/Kg | 660* | 3550B/8270C | 32540 | 2/22/2005 | 2/23/2005 | LAN |
| BENZO(a)ANTHRACENE | ND | ug/Kg | 660* | 3550B/8270C | 32540 | 2/22/2005 | 2/23/2005 | LAN |
| BENZO(a)PYRENE | ND | ug/Kg | 660* | 3550B/8270C | 32540 | 2/22/2005 | 2/23/2005 | LAN |
| BENZO(b)FLUORANTHENE | ND | ug/Kg | 660* | 3550B/8270C | 32540 | 2/22/2005 | 2/23/2005 | LAN |
| BENZO(ghi)PERYLENE | ND | ug/Kg | 660* | 3550B/8270C | 32540 | 2/22/2005 | 2/23/2005 | LAN |
| BENZO(k)FLUORANTHENE | ND | ug/Kg | 660* | 3550B/8270C | 32540 | 2/22/2005 | 2/23/2005 | LAN |
| CHRYSENE | ND | ug/Kg | 660* | 3550B/8270C | 32540 | 2/22/2005 | 2/23/2005 | LAN |
| DIBENZO(a,h)ANTHRACENE | ND | ug/Kg | 660* | 3550B/8270C | 32540 | 2/22/2005 | 2/23/2005 | LAN |
| FLUORANTHENE | ND | ug/Kg | 660* | 3550B/8270C | 32540 | 2/22/2005 | 2/23/2005 | LAN |
| FLUORENE | ND | ug/Kg | 660* | 3550B/8270C | 32540 | 2/22/2005 | 2/23/2005 | LAN |
| INDENO(1,2,3-cd)PYRENE | ND | ug/Kg | 660* | 3550B/8270C | 32540 | 2/22/2005 | 2/23/2005 | LAN |
| 2-METHYLNAPHTHALENE | ND | ug/Kg | 660* | 3550B/8270C | 32540 | 2/22/2005 | 2/23/2005 | LAN |
| NAPHTHALENE | ND | ug/Kg | 660* | 3550B/8270C | 32540 | 2/22/2005 | 2/23/2005 | LAN |
| PHENANTHRENE | ND | ug/Kg | 660* | 3550B/8270C | 32540 | 2/22/2005 | 2/23/2005 | LAN |
| PYRENE | ND | ug/Kg | 660* | 3550B/8270C | 32540 | 2/22/2005 | 2/23/2005 | LAN |
| ARSENIC | 86,000 | ug/Kg | 100 | 3050B/6020 | 32550 | 2/18/2005 | 2/21/2005 | JAG |

ANALYTICAL LABORATORY RESULTS

CLIENT IDENTIFICATION: **SME** SAMPLE MATRIX: **SOIL**
FIBERTEC PROJECT NO: **81302** FIBERTEC SAMPLE NUMBER: **018**

CLIENT SAMPLE INFORMATION

PROJECT IDENTIFICATION: **HOMRICH LANDFILL** CLIENT SAMPLE DESCRIPTION: **SP214 (0-2')**
PROJECT NUMBER: **PE46643** CLIENT SAMPLE NUMBER: **18**
SAMPLE DATE: **2/15/2005** CHAIN OF CUSTODY NUMBER: **47872**

COMMENTS: **ALL RESULTS REPORTED ON DRY WEIGHT BASIS. PERCENT MOISTURE = 41%**
***RAISED RL DUE TO SAMPLE MATRIX**

DEFINITIONS: **ND = NOT DETECTED AT OR ABOVE REPORTING LIMIT; RL = REPORTING LIMIT**
N/A = NOT AVAILABLE OR NOT APPLICABLE

| ANALYTE | RESULT | UNITS | RL | METHOD | BATCH | PREPARATION DATE | ANALYSIS DATE | TECH. INIT. |
|------------------------|--------|-------|------|-------------|-------|------------------|---------------|-------------|
| ACENAPHTHENE | ND | ug/Kg | 660* | 3550B/8270C | 32540 | 2/22/2005 | 2/23/2005 | LAN |
| ACENAPHTHYLENE | ND | ug/Kg | 660* | 3550B/8270C | 32540 | 2/22/2005 | 2/23/2005 | LAN |
| ANTHRACENE | ND | ug/Kg | 660* | 3550B/8270C | 32540 | 2/22/2005 | 2/23/2005 | LAN |
| BENZO(a)ANTHRACENE | ND | ug/Kg | 660* | 3550B/8270C | 32540 | 2/22/2005 | 2/23/2005 | LAN |
| BENZO(a)PYRENE | ND | ug/Kg | 660* | 3550B/8270C | 32540 | 2/22/2005 | 2/23/2005 | LAN |
| BENZO(b)FLUORANTHENE | ND | ug/Kg | 660* | 3550B/8270C | 32540 | 2/22/2005 | 2/23/2005 | LAN |
| BENZO(ghi)PERYLENE | ND | ug/Kg | 660* | 3550B/8270C | 32540 | 2/22/2005 | 2/23/2005 | LAN |
| BENZO(k)FLUORANTHENE | ND | ug/Kg | 660* | 3550B/8270C | 32540 | 2/22/2005 | 2/23/2005 | LAN |
| CHRYSENE | ND | ug/Kg | 660* | 3550B/8270C | 32540 | 2/22/2005 | 2/23/2005 | LAN |
| DIBENZO(a,h)ANTHRACENE | ND | ug/Kg | 660* | 3550B/8270C | 32540 | 2/22/2005 | 2/23/2005 | LAN |
| FLUORANTHENE | ND | ug/Kg | 660* | 3550B/8270C | 32540 | 2/22/2005 | 2/23/2005 | LAN |
| FLUORENE | ND | ug/Kg | 660* | 3550B/8270C | 32540 | 2/22/2005 | 2/23/2005 | LAN |
| INDENO(1,2,3-cd)PYRENE | ND | ug/Kg | 660* | 3550B/8270C | 32540 | 2/22/2005 | 2/23/2005 | LAN |
| 2-METHYLNAPHTHALENE | ND | ug/Kg | 660* | 3550B/8270C | 32540 | 2/22/2005 | 2/23/2005 | LAN |
| NAPHTHALENE | ND | ug/Kg | 660* | 3550B/8270C | 32540 | 2/22/2005 | 2/23/2005 | LAN |
| PHENANTHRENE | ND | ug/Kg | 660* | 3550B/8270C | 32540 | 2/22/2005 | 2/23/2005 | LAN |
| PYRENE | ND | ug/Kg | 660* | 3550B/8270C | 32540 | 2/22/2005 | 2/23/2005 | LAN |
| ARSENIC | 59,000 | ug/Kg | 100 | 3050B/6020 | 32550 | 2/18/2005 | 2/21/2005 | JAG |

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Chain of Custody #
47871
PAGE **1** of **2**

| | | | | | |
|--|---------|------|------------------------------------|--------------------------|------------------------------------|
| Client Name: SME | | | Matrix (SEE RIGHT CORNER FOR CODE) | | |
| Contact Person: DAN CASSIDY | | | PRESERVED (Y/N) | | |
| Project Name/ Number: HOMERICH LANDFILL PE 46643 | | | # OF CONTAINERS | | |
| Purchase Order# | Date | Time | Client Sample # | Client Sample Descriptor | MATRIX (SEE RIGHT CORNER FOR CODE) |
| 1 | 2/15/05 | | SMW-1 | | W7Y |
| 2 | | | SP301 | | W8Y |
| 3 | | | SP302 | | W7Y |
| 4 | | | SP303 | | W7Y |
| 5 | | | SP201 0-2' | | S1N |
| 6 | | | SP202 0-2' | | S1N |
| 7 | | | SP203 0-2' | | S1N |
| 8 | | | SP204 0-2' | | S1N |
| 9 | | | SP205 0-2' | | S1N |
| 10 | | | SP206 0-2' | | S1N |

Comments:

| | | | |
|--|---------------------------|---|---------------------------|
| Relinquished By: <i>[Signature]</i> | Date/Time 2/15/05 530p | Received By: <i>[Signature]</i> | Date/Time 2/15/05 530p |
| Relinquished By: <i>[Signature]</i> | Date/Time 2/16/05 0800 | Received By: <i>[Signature]</i> | Date/Time 2/16/05 0800 |
| Relinquished By: <i>[Signature]</i> | Date/Time 2/16/05 0914 | Received By Laboratory: <i>[Signature]</i> | Date/Time 2/16/05 0914 |

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Chain of Custody #
47872
PAGE 2 of 2

| Client Name: SME | | | | Contact Person: DAN CASSIDY | | | | Project Name/ Number: HOMRICH LANDFILL PE 46643 | | | |
|-------------------------|------|-----------------|---------------------------|------------------------------------|-----------------|---------|------|--|--------------------------|------------------|--|
| Purchase Order# | | | | MATRIX (SEE RIGHT COLUMN FOR CODE) | | | | PARAMETERS | | | |
| Date | Time | Client Sample # | Client Sample Description | # OF CONTAINERS | PRESERVED (Y/N) | DATE | TIME | PARAMETERS | TUMOROUND | MATRIX CODE | |
| 2/15/05 | | SP207 | 0-2' | 1 | N | 2/15/05 | | ARSenic | 24 hour RUSH | S Soil | |
| | | SP208 | 0-2' | 1 | N | | | | 48 hour RUSH | W Water | |
| | | SP209 | 0-2' | 1 | N | | | | 72 hour RUSH | A Air | |
| | | SP210 | 0-2' | 1 | N | | | | Standard (5-7 bus. days) | O Oil | |
| | | SP211 | 0-2' | 1 | N | | | | Other: Specify | P Wipe | |
| | | SP212 | 0-2' | 1 | N | | | | | X Other: Specify | |
| | | SP213 | 0-2' | 1 | N | | | | | | |
| | | SP214 | 0-2' | 1 | N | | | | | | |

Relinquished By: *[Signature]*

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Date/Time: 2/15/05 530p

Date/Time: 2/16/05 0809

Date/Time: 2/16/05 0914

Received By: *[Signature]*

Received By: *[Signature]*

Received By: *[Signature]*

Comments:

RECEIVED BY: *[Signature]*

DATE: 2/16/05

TIME: 0914

TERMS & CONDITIONS ON BACK



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September 30, 2010

Mr. Patrick Brennan
Environmental Engineer
Waste and Hazardous Materials Division
Michigan Department of Natural Resources and Environment
Jackson State Office Building
301 E. Louis Glick Hwy.
Jackson, Michigan 49201

RE: Revised Addendum to Closure Plan
Former Jefferson Smurfit Corporation Industrial Landfill
Monroe, Michigan
SME Project Number: Closure Project PB46643-03 /
SME Construction Observation Number: PE56602A

Dear Mr. Brennan:

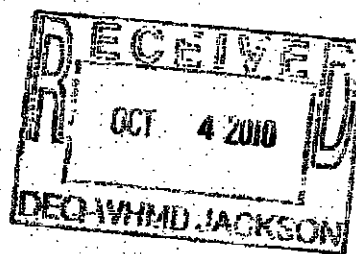
Soil and Materials Engineers, Inc. (SME), on behalf of Homrich Incorporated (Homrich), has prepared the enclosed revised addenda to the Closure Plan Report for the former Jefferson Smurfit Industrial Waste Landfill and Landfill Parcel, now owned by Homrich Incorporated. The revised addenda is submitted in response to the letter prepared by Mr. Lawrence Bean of the Department of Natural Resources & Environment, Jackson District Supervisor, and dated July 23, 2010. As outlined in the DNRE letter of July 23, 2010, it is our understanding that the DNRE has concern regarding the disturbance of the certified cap. The objective of this revised submission is to revert to the original Erosion Layer protocols, previously approved by the DNRE (aka MDEQ). Following approval of the attached amendment, it is the intention of Homrich to proceed to closure and long-term maintenance and monitoring of the landfill. We trust that the revised program meets the approval of DNRE.

The following modifications to the Closure Plan are provided in this addendum:

1. The enclosed Closure Plan Revised Amendment No. 4 includes appropriate revisions to "Section 3, Design Considerations" and "Section 4, Construction Methodology" to address revisions to the proposed closure to use soil suitable for establishment of a vegetative cover over the infiltration layer as the primary and intended approach to closure of the landfill.
2. The enclosed Closure Plan Revised Amendment includes additional sub sections to "Section 3, Design Considerations" and "Section 4, Construction Methodology" to address future installation of a Load Bearing Surface Layer over the vegetative cover layer, if and when market conditions are supportive of such use modification. Note that the current Closure Plan is written to install a Bearing Surface Layer on the infiltration layer.

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115 Monroe
Jefferson Smurfit

3. Homrich incorporated acknowledges that following approval, all work must be documented to be complete and in accordance with the approved plans, the Part 115 rules, and the Construction Quality Control/Quality Assurance Plan.

Please feel free to contact us if you have any questions concerning the above responses or enclosed documents.

Very truly yours,

SOIL AND MATERIALS ENGINEERS, INC.



Anthony B. Thomas, PE
Senior Project Engineer



James M. Harless, Ph.D., CHMM
Vice President

Enclosures: Closure Plan Revised Addendum No. 4 (2 copies)

Distribution: Mr. Roger Homrich, Homrich Incorporated
Mr. Larry Bean, DNRE
Ms. Jamie Dean, Monroe County Health Department (w/o enclosures)
Mr. Steve Sliver, DNRE (w/o enclosures)



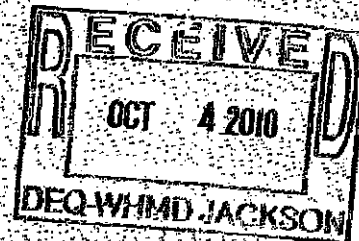
above ground storage tank
 air quality
 asbestos/lead-based paint
 baseline environmental assessment
 brownfield redevelopment
 building/infrastructure restoration
 caisson/piles
 coatings
 concrete
 construction materials services
 corrosion
 dewatering
 drilling
 due care analysis
 earth retention system
 environmental compliance
 environmental site assessment
 facility asset management
 failure analyses
 forensic engineering
 foundation engineering
 geodynamic/vibration
 geophysical survey
 geosynthetic
 grayfield redevelopment
 ground modification
 hydrogeologic evaluation
 industrial hygiene
 indoor air quality/mold
 instrumentation
 masonry/stone
 metals
 nondestructive testing
 pavement evaluation/design
 property condition assessment
 regulatory compliance
 remediation
 risk assessment
 roof system management
 sealants/waterproofing
 settlement analysis
 slope stability
 storm water management
 structural steel/welding
 underground storage tank

HOMRICH LANDFILL CLOSURE PLAN
MONROE PAPER COMPANY
MONROE, MICHIGAN

REVISED ADDENDUM 4

SME Project Numbers: PE46643-03 / PE56602A

September 30, 2010



Soil and Materials Engineers, Inc.

**HOMRICH LANDFILL CLOSURE PLAN
MONROE PAPER COMPANY
MONROE, MICHIGAN**

REVISED ADDENDUM 4

September 30, 2010

1. INTRODUCTION

This Addendum to the *Homrich Landfill Closure Plan* (Haley & Aldrich of Michigan, Inc., November 2003), the Closure Plan, was prepared in response to revision of the proposed post closure use of the site as summarized below.

- In an MDNRE-approved Closure Plan addendum, dated December 13, 2005, the design for the erosion layer was modified to consist of crushed stone, or equivalent bearing surface placed on a geotextile fabric over the infiltration layer. The proposed bearing layer was intended to allow reuse of the site for seasonal storage site of recreational vehicles, boats, trailers, or other similar vehicles.
- Based on current economic market conditions, Homrich Incorporated is requesting to revert to the erosion layer design described in the original, MDNRE-approved Closure Plan. That erosion layer consisted of soil with vegetation.
- Additionally, Homrich also requests that they be allowed at a later date, and only if market conditions warrant modification of site use, to place a geotextile separation fabric and then the load bearing surface layer consisting of crushed aggregate (limestone, natural stone, concrete, iron/blast furnace slag, or equivalent) directly over the top of the vegetative growth erosion layer of the closed landfill. If site modifications are warranted, the geotextile separation fabric and load bearing surface layer will be placed directly over the top of the vegetative growth erosion layer within the facility and solid waste boundary limits of the closed landfill. Modification of the site use and installation of the geotextile separation fabric and load bearing surface layer consisting of crushed aggregate would be undertaken only after submission to the DNRE of a Notification of Intent to place the geotextile separation fabric and load bearing surface layer. There will be no further filling, grading, excavating, drilling or mining of the closed landfill unless written authorization therefore is obtained from the DNRE.

2. WORK PLAN AMENDMENTS

The proposed Closure Plan amendments are presented in this section. Closure Plan changes pertinent to this Amendment are referenced by Closure Plan section.

3.3.3 Erosion Layer

3.3.3.1 Vegetative Erosion Layer

The erosion layer will provide support for vegetation and will be placed in a continuous layer with a minimum six-inch thickness above the infiltration layer. Soil for this layer will be selected based on the material's ability to promote and support rapid establishment and preservation of vegetative growth and resist erosion. Installed vegetative growth layer (soil) will be tracked parallel to contour lines to reduce erosion and promote seed retention.

3.3.3.2 Geotextile Separation Fabric and Load Bearing Surface Layer (Future Modification of Use)

As a future modified approach to that listed in section 3.3.3.1 above, should reuse, or partial re-use of the site become economically preferable in future market conditions, a geotextile separation fabric and a load bearing surface layer consisting of crushed aggregate (limestone, natural aggregate, concrete, iron/blast furnace slag, or equivalent) will be placed directly over the top of the vegetative erosion layer of the closed landfill. The fabric will separate the vegetated erosion layer from the overlying load bearing surface layer to prevent the long term intrusion of the load bearing surface material.

3.3.4 Vegetation

3.3.4.1 Vegetative Layer

After the vegetative erosion layer has been placed and final grading has been completed, it will be seeded with a mix of annual and perennial grasses selected for quick cover, long term stability, and compatibility with the local environment. Fertilizer will be applied as needed to maintain the vegetative cover.

4.1.6 Erosion Layer Construction

4.1.6.1 Vegetated Erosion Layer

Upon completion of placement of the full thickness of the infiltration layer in an area of the landfill, the vegetated erosion layer will be placed. This layer will be constructed of soils capable of supporting vegetation and will be placed in a single lift of a minimum of six inches. Steeper slopes will be tracked perpendicular to the slope to minimize erosion and facilitate seed retention and germination of the vegetation grasses. Once placement of the erosion layer is complete, seeding and mulching of the erosion layer will be implemented to establish the vegetative cover.

4.1.6.2 Geotextile Separation Fabric and Load Bearing Surface

If conversion to a geotextile separation fabric and load bearing surface layer consisting of crushed aggregate (limestone, natural stone, concrete, iron/blast furnace slag, or equivalent) is selected (outlined in Section 3.3.3.2), the existing vegetated erosion layer will not be removed. The geotextile separation fabric and load bearing surface layer will be placed directly over the top of the vegetated erosion layer.

4.1.7 Seeding/Mulching

4.1.7.1 Vegetated Erosion Layer

Seeding will consist of applying seed for permanent cover in a uniform manner and at a rate of approximately 170 lbs. per acre. Seed will be applied using one or more of several methods including broadcast seeding, drill seeding, or hydroseeding. Dormant seeding may also be done when soil conditions allow if the work is performed between November 1 and February 28. If this type of seeding is performed, seeding rates will be increased by 50% and will be applied using a cyclone seeder, drill, cultipacker seeder, or hydroseeder (slurry may include seed and fertilizer) on a firm, moist seedbed.



JENNIFER M. GRANHOLM
GOVERNOR

STATE OF MICHIGAN
DEPARTMENT OF NATURAL RESOURCES & ENVIRONMENT
LANSING



REBECCA A. HUMPHRIES
DIRECTOR

October 6, 2010

Mr. Roger Homrich
200 Mallin Road
Carleton, Michigan 48117

Dear Mr. Homrich:

SUBJECT: Addendum to Due Care Evaluation Summary Report and Closure Plan
Homrich Landfill

This letter is in response to a letter dated September 30, 2010, written in behalf of Homrich, Inc. (Homrich) by Mr. Anthony B. Thomas and Mr. James M. Harless, Soil and Materials Engineers, Inc. (SME), regarding the Homrich Landfill, also known as the former Jefferson Smurfit Corporation Industrial Landfill. Attached to the letter was the Revised Addendum 4 to the Homrich Landfill Closure Plan, dated June 18, 2010 (Addendum). The letter requests approval of the Addendum that would allow the final cover to have a vegetative layer instead of an aggregate surface, and would allow the owner the option to convert the cover to an aggregate surface in the future.

Staff of the Department of Natural Resources and Environment (DNRE), Environmental Resource Management Division (ERMD) have reviewed the proposal for compliance with Part 115, Solid Waste Management, and Part 201, Environmental Protection, of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended (NREPA).

The request to approve the Addendum is approved, subject to the following clarification:

Prior to converting to an aggregate cover before the 50-year closure period, the owner must submit a proposal including detailed plans and requesting approval to disturb the final cover, consistent with Section 11518 and with the restrictive covenant dated May 2, 2007, Document No. 2009R01580. Upon receiving the director's approval of the proposal, the owner may modify the final cover.

Section 11518.(1) requires a landfill to have a restrictive covenant in place that prohibits the owner from engaging in filling, grading, excavating, drilling, or mining on the property during the first 50 years following completion of the landfill without authorization of the department. Please note that the date of completion of the landfill is the date that the department approves the closure certification report.

Mr. Roger Hornrich

Page 2

October 6, 2010

If you have any questions, please feel free to contact me by telephone or e-mail as noted below, or you may contact Mr. Patrick Brennan by writing, at DNRE-ERMD, Jackson State Office Building, 301 East Louis Glick Highway, Jackson, Michigan 49201; by telephone at 517-780-7935; or at brennanp@michigan.gov.

Sincerely,

Patrick J. Brennan, for

Lawrence Bean

Jackson District Supervisor

Environmental Resource Management Division

517-780-7920

beanl@michigan.gov

cc: Ms. Jamie Dean, Monroe County Health Department
Mr. James M. Harless, Soil and Materials Engineers, Inc.
Mr. Anthony B. Thomas, Soil and Materials Engineers, Inc.
Mr. Steve Silver, DNRE
Mr. Patrick Brennan, DNRE



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December 3, 2010

Mr. Lawrence Bean
Jackson District Supervisor
Waste and Hazardous Materials Division
Michigan Department of Natural Resources and Environment
Jackson District Office
301 E. Louis Glick Hwy.
Jackson, Michigan 49201

RE: Homrich Landfill Closure Certification Report
Former Jefferson Smurfit Corporation Industrial Landfill
Monroe, Michigan
SME Project Number: Closure Project PE46643-03 /
SME Construction Observation Number: PE56602A


Dear Mr. Brennan:


Soil and Materials Engineers, Inc. (SME), on behalf of Homrich Incorporated (Homrich), has prepared the appended Closure Certification Report for the former Jefferson Smurfit Industrial Waste Landfill and Landfill Parcel, now owned by Homrich Incorporated. The objective of this submission is to present the results of the testing and observation completed in pursuit of obtaining closure certification and to begin the 30-year post closure period. The installation of the closure system was performed in general accordance with the Homrich Landfill Closure Plan prepared by Soil and Materials Engineers, Inc. and Haley & Aldrich of Michigan, and dated October 26, 2007, and Addendum 4, prepared by Soil and Materials Engineers, Inc., dated September 30, 2010, and approved by the DNRE in a response letter dated October 6, 2010.

Please feel free to contact us if you have any questions concerning the appended Closure Certification Report.

Very truly yours,

SOIL AND MATERIALS ENGINEERS, INC.


Anthony B. Thomas, PE
Senior Project Engineer


James M. Harless, Ph.D., CHMM
Vice President

Enclosures: Closure Certification Report (2 copies)

Distribution: Mr. Roger Homrich - Homrich Incorporated (1 copy of report)
Ms. Jamie Dean, Monroe County Health Department (w/o enclosures)
Mr. Steve Sliver, DNRE (w/o enclosures)

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consultants in the geosciences, materials, and the environment

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1.0 INTRODUCTION

This Landfill Closure Certification Report (CCR) was prepared for the Homrich Landfill (landfill), formerly the Jefferson Smurfit Corporation Industrial Landfill, Facility ID 58-000017, located at the northeast corner of the intersection of East Elm Street Avenue and Detroit Street in Monroe, Michigan. A Site Location Map is presented in Figure 1, included in Appendix A. This CCR was prepared on behalf of Homrich Incorporated by Mr. Anthony Thomas, PE (Project Engineer) and Dr. James Harless, CHMM of Soil and Materials Engineers, Inc. (SME), of Plymouth, Michigan. This report was prepared to document the testing and monitoring activities completed during the installation of the closure system for the landfill. The testing and monitoring were performed in general accordance with the Homrich Landfill Closure Plan, dated October 26, 2007 and the requirements of applicable State and Federal regulations, agreements and permits.

The following references were reviewed and used to assist with preparation of this CCR:

- Michigan Department of Environmental Quality (MDEQ), Waste Management Division (WMD), Solid Waste Management Act Administrative Rules, Part 115, Natural Resources and Environmental Protection Act, 1994 PA 451, April 12, 1999.
- Soil and Materials Engineers, Inc. and Haley & Aldrich of Michigan, Homrich Landfill Closure Plan, Monroe Paper Company, Final - MDEQ Approved, October 2007.
- Soil and Materials Engineers, Inc., Addendum 4 to Closure Plan, Homrich Landfill, September 30, 2010 (Revised).
- Letter from the Department of Natural Resource & Environment (DNRE) to Roger Homrich, RE: Addendum to Due Care Evaluation Summary Report and Closure Plan, Homrich Landfill, October 6, 2010.

1.1 Purpose and Scope Overview

The purpose of this CCR is to present a narrative summary (text report) and appended data presenting observations and test results completed for the construction for the final cover of the landfill in accordance with the approved Closure Plan. Upon acceptance of the closure certification report by the DNRE, the 30 year post closure period shall begin.

As presented in the Final Closure Plan, the components of the final cover system include an infiltration layer and a vegetative growth erosion layer which shall be installed in accordance with R299.4303 (6). The infiltration layer consists of a minimum of two feet of compacted soil that is in accordance with the requirements of R299.4913. The erosion layer consists of a

minimum of 6-inches of soil capable of supporting vegetation. Physical requirements of the landfill closure include side slopes that do not exceed 25% (one in four, vertical to horizontal), and the top slope areas are a minimum of 2% to minimize infiltration.

This CCR describes the pre-construction operations which were performed prior to installation of the closure system; testing conducted for borrow source materials verification; observation of the infiltration layer system installation (consisting of the clay cap and keyway elements); and installation of the vegetative growth layer.

Narrative descriptions regarding installation of the following CCR components are presented herewith this text, and are further described by supporting field and laboratory test data, which are appended to this document:

- description of pre-construction site work;
- description of the borrow source evaluation and testing;
- field testing during clay cap and keyway installation;
- description of field observations during construction;
- results of laboratory testing of soil samples; and
- Final survey and topographic map of clay cap.

2.0 PRE-CONSTRUCTION SITE WORK

2.1 Site Survey and Construction Layout

The waste materials were regraded and relocated in 2002 and 2003. On December 20, 2007, a topographic survey of the regraded waste surface was performed by a licensed surveyor. Prior to construction in 2008, a surveyor provided construction staking to delineate the perimeter limits (key alignment) of the landfill and to provide final surface grades for the clay cap installation.

The final waste elevation and limits of the proposed key are shown on the attached Sheet 1, Final Clay Surface, Elm and Detroit Avenue, prepared by G.B. Warnke & Associates, Inc., Professional Land Surveyors, dated July 22, 2009, included in Appendix A. Sheet 1 also documents the final top of clay cap elevation and revised key limits.

2.2 Installation of Temporary Soil Erosion Control Measures

Prior to the start of construction in September 2008, temporary soil erosion control measures were installed to minimize transport and migration of soils off site. These measures included installation of aggregate check dams within diversion swales along the perimeter of the landfill, installation of silt fencing and installation of staked hay bales along the southeast section of the landfill, which is adjacent to the wetland. The temporary soil erosion control measures were maintained during the construction process and will remain in-place until the permanent soil erosion features and vegetation is established on side slopes and other areas where erosion resulting in sediment migration is a concern.

Additional stormwater management and erosion controls were instituted during the construction activities in accordance with SWPPP, as necessary to limit impact of soil movement to down gradient wetlands and waterways.

2.3 Subgrade Preparation

At the beginning of construction in September of 2008, the landfill surface was cleared and grubbed of surface vegetation which had developed following the final waste relocation and grading operations conducted in 2002 and 2003. The 2003 waste relocation program included reshaping of the entire landfill surface to establish lines and grades consistent with the proposed final cover system. The elevations of the final waste ranged from 580 feet above mean sea level (msl) to 585 feet above msl. The top slope contours were established at approximately 2 percent, and localized side slope contours were grades such as not to exceed 4H:1V.

Clearing and grubbing in 2008 consisted of removing vegetation such as grass and other low lying plant species as required to facilitate construction of the final cover. Larger vegetation, such as trees were not present in 2008. Additional preparation included removal of rocks and other deleterious or obstructive materials prior to placement of the infiltration layer.

The top of waste elevation is shown on Sheet 1, Final Clay Surface Elm and Detroit Avenue, prepared by G.B. Warnke & Associates, Inc., December 20, 2007. The Existing Conditions (After 2003 Waste Relocation) are shown on Sheet 3, dated June 3, 2004, as prepared by Soil and Materials Engineers, Inc., included in Appendix A.

2.4 Borrow Source Evaluation and Testing

Borrow source materials were procured from two sources during construction. For clay materials utilized during the 2008 site work, materials were obtained from the Homrich Matlin Road landfill, located in Carleton, Michigan. For work conducted in 2009, the clay materials were obtained from Sylvania Minerals located in Flat Rock, Michigan. A description of the borrow source material evaluation for each source is presented below.

2.4.1 – 2008 Matlin Road Borrow Source

Prior to the start of construction in September of 2008, the borrow source soils were tested initially to establish if the soil meets the requirements for the infiltration layer. The borrow source materials consisted of clay soils excavated from a landfill expansion program being constructed by Homrich, Incorporated at the Homrich Matlin Road Facility located in Carleton, Michigan. Homrich obtained three samples of available materials for initial verification testing. The first three samples represent the initial 15,000 cubic yards of material stockpiled and available for importing to the subject landfill site. The material excavated from the Matlin Road facility represents the imported clay placed on the landfill starting in September of 2008 through November of 2008. The material represented by the Matlin Road testing was placed for the first three lifts of the infiltration layer and for the clay keyway construction around the perimeter of the landfill. The total estimated volume of tested and certified material, as imported from the Matlin Road borrow source is approximately 17, 800 cubic yards.

The samples were submitted by Homrich to a subconsultant laboratory for verification testing as follows. Results of the laboratory testing are included in Appendix B.

- The source soils were tested to determine that they meet the Unified Soil Classification System (USCS) designation of SC, CH, CL, CL/ML, or ML using the ASTM standard D2487-93. Results of the borrow source verification testing indicate that the material, has a USCS classification of CL.
- The source soils were tested to generate moisture-density curves using ASTM D 1557-91 modified proctor test to determine the optimum moisture content and associated dry density of the material. Three (3) samples were then tested using ASTM D-5084 to determine compliance of the source material with respect to meeting the hydraulic conductivity requirement of 1.0×10^{-7} cm/sec. Results of the borrow source testing indicate samples remolded to between 94.16 and 95.65% of the modified proctor density and ranging from -1.0% to +1.7% of optimum moisture content had flexible wall permeability (ASTM D-5084) ranging from 4.69×10^{-8} cm/sec to 4.75×10^{-8} cm/sec. The three samples obtained and tested are representative of the first 15,000 cubic yards of material stockpiled for installation.

Based on the results of the borrow source testing, a minimum percent compaction of 95% of the modified proctor value was targeted for observation of field compaction and testing procedures to obtain the target material hydraulic conductivity of 1.0×10^{-7} cm/sec. Results of field verification and testing are presented in Section 3.0.

Results of the borrow source testing are included in Appendix B. Testing was conducted by CTI and Associates, on behalf of the Homrich.

2.4.2 – 2009 Sylvania Minerals Borrow Source

An alternate borrow source was identified to provide the soil materials to complete the clay cap construction in 2009. The 2009 borrow source was identified as Sylvania Minerals located in Flat Rock, Michigan. The total estimated volume of tested and certified materials obtained from the Sylvania Minerals borrow source is approximately 12,900 cubic yards.

Imported borrow soil samples were submitted to a subconsultant laboratory for verification testing which included the following:

- The source soil was tested to determine that they meet the Unified Soil Classification System (USCS) designation of SC, CH, CL, CL/ML, or ML using the ASTM standard D2487-93. Results of the borrow source verification testing indicate that the soil material has a USCS classification of CL.
- The source soil was tested to generate moisture-density curve using ASTM D 1557-91 modified proctor test to determine the optimum moisture content of the material. The sample was also tested using ASTM D-5084 to determine if the source material meets the hydraulic conductivity requirement of 1.0×10^{-7} cm/sec. Results of the borrow source testing indicate the remolded sample at approximately 94% of the modified proctor density and +0.4% of optimum moisture content had flexible wall permeability (ASTM D-5084) of 3.45×10^{-8} cm/sec. The testing conducted for the 2009 borrow source represents the first 5,000 cubic yards of material stockpiled for installation.

2.4.3 – Construction Phase Borrow Source Testing

During construction, samples of the imported soils from the previously tested borrow sources (Matlin Road and Sylvania Minerals) were obtained with testing conducted to confirm compliance with material requirements.

Prior to the start of construction in 2008, materials were stockpiled at the Matlin Road facility. These materials were initially tested as outlined in Section 2.4.1, with permeability testing representing the initial 15,000 cubic yards of stockpile material performed. During installation of infiltration layer materials from October 2008 through July 2009 samples of imported materials were obtained at approximate 5,000 cubic yard intervals to confirm material compliance with project specifications.

For the period from October 2008 through November 2008, representing materials imported from the Matlin Road stockpile (17,800 cubic yards of installed material), five (5) bulk material samples were obtained from the on-site stockpile and submitted for laboratory for testing. Tests conducted on these samples included; Grain Size Distribution, Atterberg Limits and Moisture Density relationship evaluation in accordance with ASTM D1557 "Modified" method. Two (2) bulk samples were obtained and submitted for permeability testing. Results of Atterberg limits indicated the materials meet a USCS classification of CL, and the remolded permeability achieved the 1.0×10^{-7} cm/sec requirement. Results of the tests are included in Appendix B.

For the period from June 2009 through July 2009, representing materials imported from Sylvania Minerals stockpile, approximately 12,900 cubic yards of material were installed for the clay cap. Initial borrow source testing was conducted as outlined in Section 2.4.2, with material testing representing the first 5,000 cubic yards of material stockpiled at this source for installation. During the course of construction, three (3) bulk material samples were obtained from the on-site stockpile and submitted for laboratory testing. Tests conducted on these samples included: Atterberg Limits and Moisture Density relationship evaluation in accordance with ASTM D 1557 "Modified" method. One (1) bulk sample was obtained and submitted for permeability testing. Results of Atterberg limits indicated the material meet a USCS classification of CL, and the remolded permeability achieved the 1.0×10^{-7} cm/sec requirement. Results of the tests are included in Appendix B.

3.0 CONSTRUCTION OBSERVATION

3.1 Construction Quality Assurance Plan

A Construction Quality Assurance (CQA) program was implemented prior to start of the capping of the landfill. The CQA program will document that final cover construction is in compliance with the design criteria and specifications for the approved closure plan. A registered professional engineer (Project Engineer) functioned as the CQA officer and was responsible to document and certifying that the work was performed in general accordance with approved design plans and specifications.

The CQA plan included the steps as necessary to document the quality of materials and the condition and manner of their installation and consisted of the following:

- identification of key project personnel responsible for the development and implementation of the CQA plan;
- a complete description of the inspection and sampling activities that will be implemented during the construction of the final cover;
- a description of the protocols that will be used to address appropriate sample sizes and sample locations, sampling frequency and data evaluation procedures, sample results acceptance and rejection protocols, criteria for all construction materials and plans for implementing corrective action for non compliance with the CQA plan requirements;
- frequency for oversight, inspections, testing, and measurements to ensure structural stability and integrity of the final cover and to ensure that construction specifications have been followed; and
- document procedures that will result in a final certification closure report.

The developed CQA plan is a two component document that includes requirements for testing during test pad evaluation and for production earthwork operations. The second component is the requirements for survey control to support construction and for final post closure survey to document as-constructed elevations and limits. A copy of the developed CQA document for construction is included in Appendix E.

3.2 Final Cover System Inspection and Testing

Construction of the final clay cap was performed under the part-time observation of qualified personnel to document that installation of the final cover system for this landfill is consistent with the intent of the closure plan and is in compliance with and the project plans, specifications, and applicable sections of Part 115, specifically R 299.4304, 4913, 4916, and 4917. Measures were taken to verify that construction was performed in accordance with approved construction plans and specifications. These measures included, but not be limited to: 1) daily field oversight, 2) field measurements to determine lift locations and lateral positions of certain stages of the construction, and 3) soil testing to verify physical properties of the materials being used in construction of the final cover. Part-time observation and/or testing were provided during the following major component installations:

- Test pad for Infiltration Layer installation;
- Test pad for Keyway installation;
- Daily oversight during final clay cap installation;
- Daily oversight during clay keyway installation; and
- Field thickness measurements of final vegetative growth erosion layer installation.

3.2.1 Final Clay Cap - Test Pad Evaluation

Following grading and preparation of the landfill material, an area was selected for construction of a test pad. Test pad construction was initiated to document installation and compaction protocols to be implemented during production earthwork activities. The material preparation requirements; loose and compacted lift thickness; type of equipment used to spread and compact the material; and the number of passes of the construction equipment necessary to obtain the required compaction were evaluated and documented during test pad construction. A thin walled Shelby tube was obtained from the clay placed within the test pad footprint to document that the installed material achieved the permeability of 1.0×10^{-7} cm/sec requirement. The results of laboratory testing of the test pad Shelby tube were 3.7×10^{-8} cm/sec. The approximate Shelby tube location is shown on Figure No. 6, in Appendix C.

Based on the observations and test results of test pad construction, clay material installation was specified to be placed and compacted to a maximum thickness of 6 inches and compacted to a minimum of 95% of maximum density as determined by ASTM D 1557 "Modified" method. A description of the field observations, including test results and test locations are included in the Field Observation Reports and Report of Density-In-Place, included in Appendix D.

3.2.2 Keyway Trench - Test Pad Evaluation

Utilizing elevation grade stakes and alignment off-set stakes, provided by the surveyor prior to construction, a keyway trench test pad was constructed at the northern end of the landfill. The alignment of the keyway trench was from west to east and spanned a distance of approximately 21 lineal feet. The keyway was excavated with a hydraulic backhoe with the depth sufficient to key into the native silty clay or clayey silt to a minimum depth of two feet. The initial keyway was excavated to an approximate width of two (2) feet, which is the minimum width as outlined in the closure plan. The clay material was stockpiled along the outside of the trench and placed utilizing a backhoe bucket. The clay clod size was typically reduced by tracked equipment prior to installation so as to provide smaller material size for easier installation, manipulation and compaction within the trench. Initial compaction of the trench was performed utilizing a sheep-foot roller attached the boom arm of an excavator. The first length of trench (21 lineal feet) was constructed utilizing this compaction procedure. Testing for material density was performed for each six inch lift (compacted) of material placed. A Shelby Tube (ST-2) was obtained to verify that placement of clay in 6 inch compacted lifts, and compacting a density of 95% percent of the maximum density, achieved the permeability of 1.0×10^{-7} cm/sec. Based on the results of the laboratory testing of ST-2, a laboratory permeability of 5.3×10^{-8} cm/sec was recorded. The approximate Shelby tube location is shown on Figure No. 6, in Appendix C.

Following this portion of clay keyway installation, the installation procedure was modified slightly to utilize a narrow body, self-propelled rubber tired sheep-foot roller. The modification of the compaction process was selected due to the time necessary to obtain the required density (utilizing the backhoe mounted sheep-foot implement) and the need to change out implements during the construction process. The use of the rubber tired equipment required that the keyway trench be widened to approximately five (5) feet to accommodate the vehicle width and provide additional space to allow for side to movement of the equipment to achieve homogenous compaction across the width of the

trench. Following modification of the compaction procedure, a new segment of keyway trench test pad was installed. The same method for excavation (expanded to five feet in width to accommodate the compaction equipment), and installation of the clay material were followed as presented previously. Based on the revised compaction process, 95% compaction was achieved with lower effort and work production was improved.

Based on the results of the keyway test pad, production operations for keyway installation included excavation of the keyway to a minimum width of five (5) feet and to the necessary depth to key into the native silty clay or clayey silt by a minimum of two feet. Installation and compaction of the material was performed at six inch lifts compacted to a minimum of 95% of the maximum density as determined by the ASTM D 1557 "Modified" procedure.

A description of the field observations, number of passes of construction equipment and the results of the field density testing performed, including test results and test locations are included in the Field Observation Reports and Report of Density-In-Place, included in Appendix D.

3.2.3 Final Clay Cap Installation

Placement of the infiltration layer was initiated following development of compaction and required density requirements as outlined in Section 3.2.1 and 3.2.2. Soils used in construction of the infiltration layer were imported from either the Matlin Road stockpile during the 2008 work or from the Sylvania Minerals stockpile in 2009. Materials were typically trucked on site and stockpiled prior to manipulation with tracked equipment or sheep-foot roller.

Infiltration layer construction was completed with placement of appropriate soils in lifts that resulted in six-inch thickness after compaction. Each lift was thoroughly compacted to the approved density utilizing a sheep-foot roller. Density testing was conducted for each placement area at rate of 1 test / acre / lift or a minimum of 3-tests per day or lift. The density of the in-place materials were compared to bulk sample density characteristics as determined by laboratory testing. Density testing was performed to ensure that the compacted materials achieved a minimum density of 95% of the material maximum density as determined by the ASTM D 1557 "Modified" method. The requirement of 95% of maximum density was utilized to assure that materials would achieve an in-place permeability of 1.0×10^{-7} cm/sec.

Prior to installation of a subsequent lift of clay, the previous (underlying) lifts were prepared by scarifying the surface with tracked equipment or by using a sheep-foot roller. Moisture conditioning of layers were performed as conditions warranted.

The in-place density test locations performed during the clay cap installation are presented in Figure Nos. 1 through 4, which represent the four lifts of clay placement, included in Appendix C. Also shown on these Figures are the approximate area (limits) of clay placement and also include the date(s) in which in-place tests were conducted.

Installation of the clay cap and the keyway were typically performed as simultaneous operations. To facilitate installation of the keyway, an area measuring approximately 20 feet in width, and parallel with the keyway was not constructed with the clay material for the cap. These areas were generally constructed following completion of the keyway installation to the bottom of clay cap elevation (See Section 3.2.4 below).

For the areas of described setback, the edge of the lifts of the main clay cap were benched back and scarified such that each layer of clay placed within the setback were then butted up to the equivalent layer of the main cap system with compaction performed across the interface to achieve a cohesive layer. The placement of the subsequent layer was again benched back such that a continuous vertical interface was eliminated. Density testing was performed to ensure that the compacted materials achieved a minimum density of 95% of the material maximum density as determined by the ASTM D 1557 "Modified" method. Test locations and dates of placement along the setback are also presented in Figure Nos. 1 through 4, in Appendix C. Following placement of the clay cap system, Shelby tubes were obtained to evaluate the in-place permeability. Shelby tubes were obtained to represent approximately each 10,000 cubic yards of clay material, or a minimum of 3 tests per landfill unit. Shelby tubes (ST-1, and ST-4 through ST-8) were obtained within the clay cap footprint with Shelby tubes ST-1, ST-4, ST-5 and ST-6, representative of clay cap placement from the Matlin Road source in 2008. Shelby tubes ST-7 and ST-8 are representative of clay placed for the 2009 materials obtained from the Sylvania Minerals source. Results of the laboratory test results indicate that the permeability ranged from 3.7×10^{-8} cm/sec to 2.5×10^{-7} cm/sec. Laboratory test results for the extracted Shelby tube tests are included in Appendix A. Shelby tube test locations are shown in an approximate manner on Figure No. 6, included in Appendix C.

Observations and test results obtained during the placement of the clay cap system are included in the Field Observation Reports and Report of Density In-Place Tests, included in Appendix D.

Following completion of the clay cap installation, G.B. Warnke performed a survey of the surface elevations. The information obtained from this survey is shown on Sheet 1, Final Clay Surface Elm and Detroit Avenue, dated July 7, 2009. This sheet shows final contours for the clay cap and also shows calculated clay cap thickness values at point locations across the cap. Based on review of the provided data, Warnke survey confirms that the clay cap thickness meets or exceeds the minimum thickness requirement of 2 feet.

3.2.4 Keyway Installation and Testing

The edge of the clay cap was keyed into the underlying native soil layer along the perimeter of the landfill. A keyway trench was excavated to a depth of two feet into the underlying native soil or to bedrock, whichever was achieved first. The depth of excavation of the clay keyway trench was based on field observations as noted during excavation of each length of the trench. The edge trench was typically excavated to a width of five (5) feet as was necessary to accommodate the construction equipment. As such, the five foot width was in excess of the required three feet minimum width in areas where clayey silt or less than two feet of native silty clay were encountered. During construction, the trench was shored and dewatered as needed to facilitate construction.

Testing of the keyway clay material typically included performance of in-place density testing to confirm that the materials achieved a minimum of 95% of the maximum density. Density testing was typically performed for each six-inch lift of placement and typically one test per each 100 lineal feet, or less, of keyway construction. Keyway construction was typically limited to lengths of trench that could be excavated and returned to the bottom of the clay cap elevation. The approximate limits of keyway installation and the dates of installation are shown in Figure No. 5, included in Appendix C. Observations and test results obtained during the placement of the keyway system are included in the Field Observation Reports and Report of Density In-Place Tests, included in Appendix D. The calculated volume of compacted clay placed for keyway installation is approximately 2,500 cubic yards. The source of clay for the keyway construction is the Matlin Road borrow source.

A Shelby tube (ST-3) was obtained from the north portion of the keyway to verify that keyway installation techniques achieve an in-place permeability of 1.0×10^{-7} cm/sec. The laboratory permeability of ST-3 was 7.9×10^{-8} cm/sec. The Shelby tube test locations are shown in an approximate manner on Figure No. 6, included in Appendix C.

Shelby tubes ST-2 and ST-3 represent the approximate 2,500 cubic yards of in-place clay materials placed for the keyway.

3.3 Vegetative Growth Layer Installation and Testing

Following installation and testing performed for the clay cap infiltration system; the surface of the clay cap was covered with a protective layer consisting of a six (6) inch thick protective vegetative growth layer. The modification of the final landfill cover system to include the vegetative growth layer was approved by the DNRE and conveyed to Roger Homrich, RE: Addendum to Due Care Evaluation Summary Report and Closure Plan, Homrich Landfill, October 6, 2010. Thickness verification tests were performed at random locations across the landfill cap. Based on these thickness checks, the minimum thickness of the vegetative growth layer was confirmed as six inches with a maximum thickness of 7 inches measured. The surface of the growth layer was tilled prior to installation of seed and fertilization, which are part of the permanent stormwater management facilities, see Section 3.4 below.

The approximate test locations and the measured thickness of the vegetative growth layer are shown on Figure No. 7, included in Appendix C. The vegetative growth layer installation was extended beyond to landfill boundary and included the exterior swale alignment. Observations and test results for the vegetative growth layer are included in Appendix D, in Field Observation Reports.

3.4 Permanent Stormwater Management Facilities

Around the perimeter of the landfill, shallow swales were constructed to collect sheet flow from the surface of the landfill. The swales then convey water to the east side of the property (northeast and southeast corners) and flow into the adjacent wetlands. Swales were typically constructed with longitudinal grades of less than two (2) percent. The alignment and slopes of the swales were generally constructed to limit high velocity run-off and such that swales have a flat enough slopes such that future mowing and landscape maintenance could be performed.

As noted previously, the six inch vegetative growth layer was extended to cover the swale alignments and also to restore areas of earth disturbed during construction. Following preparation of the vegetative growth layer (tilling), a blend of perennial and annual grass seed were distributed across the prepared vegetative cover areas in a mix of mulch. The application of seed and mulch was performed using a pneumatic distribution system. An application of fertilizer was applied to promote seed germination and growth. Because of the gradual slopes

constructed in the swales, diversion or rock check dams were not deemed required to slow the rate of surface water flow.

The limits and grades of the constructed swales are shown on Sheet 1, Final Clay Surface Elm and Detroit Avenue, prepared by G.B. Warnke & Associates, Inc., December 20, 2007, included in Appendix A.

3.4.1 Landfill Post-Closure Maintenance and Monitoring

After the landfill final closure is complete, and the thirty (30) year post-closure maintenance and monitoring period is convened, routine maintenance and inspections shall begin. The post closure monitoring activities shall be performed in accordance with the approved closure plan.

4.0 FINAL DOCUMENTATION AND REPORTING

The previous narrative sections of this construction certification report present a summary of the construction testing and observations as performed during installation of the final cover system for the former Jefferson Smurfit Industrial Waste Landfill and Landfill Parcel, now owned by Homrich Incorporated. The construction testing and observation were observed in the field on a part-time basis by a qualified construction representative with oversight and guidance provided by the Project Engineer of record. The overall certification of this closure system includes both the narrative text, laboratory and field test results, field observation reports, CQA documents, as well as additional supporting documentation, of which some were prepared and submitted by other agencies involved with the closure process, and include at a minimum the following:

- Borrow source information and documentation – This will include the borrow location, description of source, and laboratory testing results documenting that the material meets or exceeds the requirements for the specific application in the rule. This includes USCS designations based on ASTM materials testing, moisture-density and relationships based on ASTM testing. Additional documentation includes field observations of materials as they arrived on site including observations of roots, rocks, debris, or off-specification soils and the corresponding volumes.
- Field documentation - This consisted of the type and weight of compaction equipment, methods of surface preparation, methods of adjusting soil moisture if necessary, methods used to control desiccation cracking, and thickness of each lift after compaction. Additional documentation included data related to in-place testing for each lift of soil after compaction based on the scheduled testing frequency. This includes soil density and moisture content by nuclear methods, ASTM D2922-96.
- Results of laboratory testing of soil samples.
- Final survey and topographic map.

Based on the results of the testing conducted for borrow source evaluation, test results obtained during the course of installation of the clay cap (field and laboratory) and vegetative growth system, and the final clay cap thicknesses as recorded by the Surveyor, it is our professional opinion that the installation and construction of the final closure system at the referenced facility were completed in general compliance with the approved closure plan.



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Mr. Stan Idziak
MDNRE – Environmental Resource Management Div.
Jackson State Office Building
301 E. Louis Glick Highway
Jackson, Michigan 49201

January 25, 2011
NTH Project No. 62-090118-Q410

RE: Jefferson Smurfit Monroe Landfill
Quarterly Groundwater Monitoring Results
Fourth Quarter 2010

Dear Mr. Idziak:

On behalf of Homrich, Inc., (Homrich) NTH Consultants, Ltd. (NTH), has prepared the enclosed Hydrogeologic Monitoring Report for the Fourth Quarter 2010 at the former Jefferson Smurfit Corporation (JSC) Industrial Waste Landfill, located in Monroe, Michigan. This report was prepared to fulfill the requirements of Part 115 of P.A. 451 and the site's *Hydrogeologic Monitoring Plan (HMP)*, dated October 14, 1996.

This report also serves as notification to the MDNRE, Environmental Resource Management Division that a notice has been placed in the facility Operating Record, pursuant to R299.4318(9)(a) of the Part 115 Rules. An apparent statistically significant increase (SSI) was confirmed for dissolved manganese at monitoring well A03D. Details regarding SSIs are presented in Section 3.1 of this report.

In accordance with R299.4318(9), Homrich has 30 days from the date of determination to demonstrate that the cause of the statistical exceedance is a source other than the landfill. That demonstration is included within the report.

If you have any questions regarding the information presented in this report, please contact either of us at (248) 553-6300.

Sincerely,
NTH Consultants, Ltd.


Mary L. Siegan, P.E.
Project Engineer


Alan C. Erickson, P.E.
Senior Project Engineer

MLS/ACE/tt

enclosure

cc: Roger Homrich – Homrich, Inc.
Rick Burns – NTH



Hydrogeologic Monitoring Report – Fourth Quarter 2010
Jefferson Smurfit Monroe Landfill
NTH Project No. 62-090118-Q410

1.0 INTRODUCTION

On behalf of Homrich, Inc., NTH Consultants, Ltd. (NTH) has prepared this Hydrogeologic Monitoring Report for the Fourth Quarter 2010 at the former Jefferson Smurfit Corporation (JSC) Industrial Waste Landfill, located in Monroe, Michigan. This report was prepared to fulfill the requirements of Part 115 of P.A. 451 and the site's *Hydrogeologic Monitoring Plan (HMP)*, dated October 14, 1996.

The former JSC facility is a Type III industrial waste landfill located on Elm Street in Monroe, Michigan, just north of the Raisin River. The property, now owned by Homrich, Inc., is approximately 2 miles west of Lake Erie. A relatively small creek, Mason Run, flows through the northern portion of the property.

Two types of wastes were placed in the landfill, boiler ash and pulper waste. The materials placed in the landfill were tested annually to confirm their composition and classification as Type III waste materials. The coal-fired boiler at the JSC plant was replaced by natural gas in mid-1992, and consequently no additional boiler ash was brought to the site after that time. The boiler ash stockpiled on-site as of mid-1992 was placed over the pulper waste on a monthly basis as interim cover material. Pulper waste disposal in the landfill ceased in September 1995. No other waste material has been disposed of at the site since 1995.



2.0 GROUNDWATER MONITORING RESULTS

Personnel from NTH performed groundwater and surface water sampling for the Fourth Quarter on November 23 and December 28, 2010. Brighton Analytical, L.L.C., of Brighton, Michigan, performed the laboratory analyses. The analytical data report for the Fourth Quarter 2010, along with field sampling data forms, is included in Appendix B.

2.1 GROUNDWATER ELEVATION MEASUREMENTS

During completion of the groundwater sampling, water level elevations were recorded from each well at the JSC landfill. Table 1, Groundwater Elevations (in Appendix A), summarizes groundwater elevations recorded at the site over approximately the last 5 years. To confirm the groundwater flow direction at the site, NTH developed Plate 1, Groundwater Elevation Contour Map – December 2010, using the groundwater elevations recorded during the Fourth Quarter sampling event. As shown on Plate 1, the groundwater flow direction in the rock aquifer during the December event is toward the southeast, which is consistent with previous findings.

2.2 GROUNDWATER GRADIENT & FLOW VELOCITY

The groundwater flow velocity across the site can be estimated with the following equation:

$$V = \frac{ki}{n_e}$$

Where:

- V = groundwater flow velocity (ft/day)
- k = hydraulic conductivity (ft/day)
- i = horizontal gradient (dimensionless)
- n_e = effective porosity (dimensionless)



Based on in situ permeability tests, the hydraulic conductivity of the rock aquifer is approximately 1.2×10^{-3} cm/sec (3.4 ft/day). The estimated porosity is approximately 0.01. Using these parameters and the measured horizontal gradient for the Fourth Quarter 2010 (0.0029 ft/ft), the calculated groundwater velocity within the uppermost groundwater flow system is approximately 0.97 ft/day (355 ft/year). This value is within the range of calculated groundwater velocities during previous sampling events.

3.0 ANALYTICAL RESULTS & STATISTICAL EVALUATION

Designated sampling parameters, test methods, method detection limits, and corresponding containers, preservatives, and holding times for samples collected at the JSC site are summarized in the HMP, dated October 14, 1996, prepared by NTH. Water level measurement procedures, monitoring well sample collection methods, and decontamination procedures for the November/December 2010 sampling event were performed in accordance with the HMP and applicable P.A. 451, Part 115 Rules. Note that monitoring well A02D was frozen at the time of both attempted sampling events and could not be sampled.

The Fourth Quarter was a quarterly sampling event; therefore, groundwater samples were analyzed for the designated inorganic indicator parameters. Surface water samples were collected from one sample location in Mason Run, SW-1 (upstream). The other surface water sampling locations were dry (SW-4 and SW-5) or frozen (SW-3) at the time of the sampling event. The surface water sample was analyzed for designated indicator parameters and total metals. The analytical results for groundwater and surface water samples collected in the Fourth Quarter 2010 are summarized on Tables 2 and 3, respectively, in Appendix A.

The selected statistical methods for the indicator parameters have been applied to the groundwater monitoring data from Fourth Quarter 2010. Intra-well control charts have been plotted for chemical oxygen demand (COD), total organic carbon (TOC), ammonia-nitrogen,

and dissolved manganese. The background monitoring period for each indicator parameter was completed in December 2002. The control chart plots are included in Appendix A. The statistical results for nitrate-nitrogen and phenolics are summarized on individual spreadsheet calculation packages, included as Tables 4 and 5, respectively, in Appendix A.

The statistical evaluation indicates the reported concentration of each parameter was within the statistical limit at each monitoring well, with the exception of dissolved manganese at A03D. This apparent statistically significant increase (SSI) of dissolved manganese is likely due to natural variability in groundwater chemistry and is not attributable to an impact from the former landfill.

Concentrations of manganese in groundwater at the JSC site have been relatively variable. Similar short-term increases have occurred previously at A03D and at other monitoring wells. In each instance, the subsequent samples have exhibited manganese concentrations within historical ranges. An impact by landfill leachate would result in detectable organic compounds and increasing trends and/or statistical failure of multiple inorganic compounds – none of which are occurring at JSC. Concentrations of other parameters analyzed at this well are similar to concentrations previously observed. Therefore, the apparent SSI of dissolved manganese at A03D is attributed to the natural variability of groundwater quality and not a result of a release from the unit.

This narrative serves as an Alternate Source Demonstration (ASD) that the reported SSI in the Fourth Quarter 2010 is not the result of a release from the closed landfill, and that no further action (i.e., assessment monitoring) is warranted. This ASD has been prepared to fulfill the requirements of R299.4318(9)(b) of the Part 115 Rules. Unless otherwise notified by MDNRE, the landfill will remain in detection monitoring.

Note that a *Post-Closure Hydrogeologic Monitoring Plan*, dated October 26, 2007, was submitted to the Michigan Department of Natural Resources and Environment (MDNRE) as

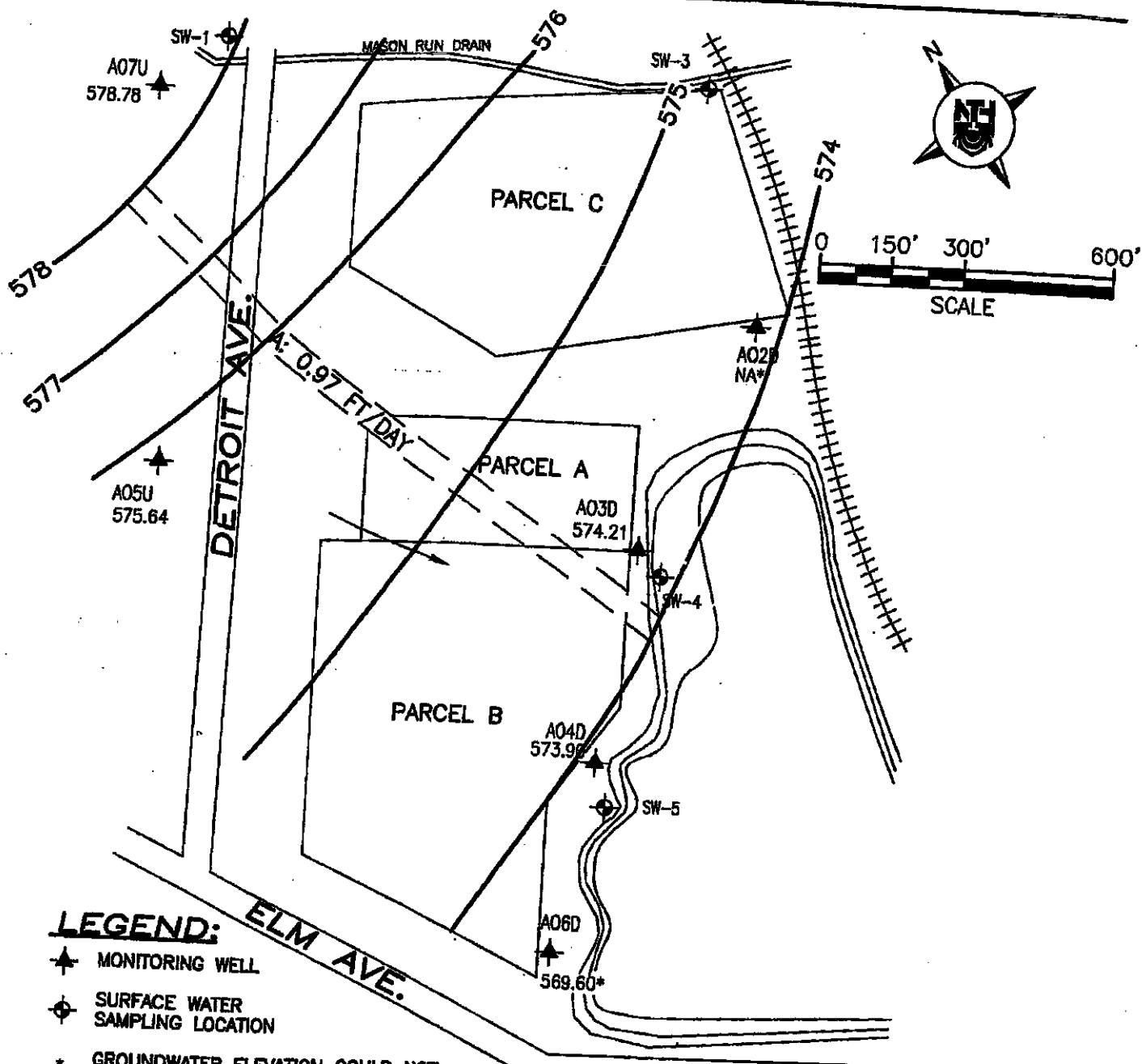


part of the closure activities for the landfill. This Post-Closure HMP includes provisions for replacing monitoring well A03D with a well that is screened at a more appropriate elevation, consistent with other wells at the site. Homrich, Inc., plans to begin monitoring in accordance with the Post-Closure HMP upon approval of the closure certification for the landfill.

4.0 DISCUSSION OF SURFACE WATER MONITORING RESULTS

The administrative rules promulgated under Part 115, P.A. 451 of 1994, as amended, do not require statistical evaluation of surface water monitoring data. As stated previously, the downstream surface water sampling location in Mason Run was frozen in the Fourth Quarter and could not be sampled. The upstream sampling results are summarized on Table 3 and are similar to previous sampling results.

Surface water samples were not obtained from sampling locations SW-4 and SW-5 for the Fourth Quarter 2010 sampling event because the locations were dry. Historically, these sampling locations have been dry on a seasonal basis.



LEGEND:

★ MONITORING WELL

⊕ SURFACE WATER SAMPLING LOCATION

* GROUNDWATER ELEVATION COULD NOT BE MEASURED OR APPEARS TO BE ANOMALOUS AND NOT USED FOR CONTOURS.

575.51 GROUNDWATER ELEVATION MEASURED IN MONITORING WELL ON 12-28-10. EXCEPT A05U WHICH WAS MEASURED ON 11-23-10

— 575 — CONTOUR LINE OF EQUAL GROUNDWATER ELEVATION

— A — FLOW PATH USED TO CALCULATE GROUNDWATER FLOW VELOCITY (FT/DAY)

→ DIRECTION OF GROUNDWATER FLOW

NOTE: THE PIEZOMETRIC SURFACE CONTOUR LINES PRESENTED ON THIS FIGURE ARE GENERALIZED, BASED ON WATER LEVEL MEASUREMENTS AT INDIVIDUAL MONITORING WELL LOCATIONS. THE ACTUAL PIEZOMETRIC ELEVATIONS AT LOCATIONS AWAY FROM THE WELLS MAY BE DIFFERENT.


| | | | | |
|--|--|--|---|--------------------|
| NTH PROJECT NO: 62-090118-Q410 DESIGNED BY: MLS DRAWN BY: CWS CHECKED BY: ACE | CAD FILE NAME: 62090118-Q410 PLOT DATE: 1/24/2011 DRAWING SCALE: AS SHOWN INCEPTION DATE: 3/20/08 |  NTH Consultants, Ltd. Infrastructure Engineering and Environmental Services | GROUNDWATER ELEVATION CONTOUR MAP DECEMBER 2010 JEFFERSON SMURFIT CORPORATION MONROE, MICHIGAN | PLATE: 1 |
|--|--|--|---|--------------------|

TABLE 1
GROUNDWATER ELEVATIONS
JEFFERSON SMURFIT CORPORATION LANDFILL
NTH PROJECT No. 62-090118-Q410

| Groundwater Elevation on Indicated Date | | | | | | | | | | | | | | | | | | | | | |
|---|---------------------|----------|----------|----------|----------|----------|----------|-----------|----------|----------|----------|----------|----------|----------|----------|-----------|----------|----------|----------|----------|-----------------------|
| Well ID | Top of Casing Elev. | Mar 2006 | Jun 2006 | Aug 2006 | Nov 2006 | Feb 2007 | Jun 2007 | Sept 2007 | Oct 2007 | Jan 2008 | Jun 2008 | Aug 2008 | Dec 2008 | Feb 2009 | Jun 2009 | Sept 2009 | Nov 2009 | Jan 2010 | May 2010 | Aug 2010 | Dec 2010 |
| A02D | 584.16 | 575.25 | 575.25 | 573.88 | 574.91 | 575.57 | 574.64 | 574.70 | 574.59 | 575.60 | 575.42 | 574.86 | 574.81 | 575.57 | 575.86 | 574.73 | 574.86 | 575.21 | 575.88 | 574.50 | NA |
| A03D | 584.39 | 575.39 | 575.51 | 573.97 | 574.84 | 575.90 | 575.00 | 574.72 | 574.50 | 575.58 | 575.79 | 575.29 | 574.83 | 575.62 | 576.25 | 575.71 | 574.79 | 574.91 | 575.69 | 574.79 | 574.21 |
| A04D | 582.33 | 574.08 | 575.21 | 573.79 | 574.32 | 575.42 | 574.94 | 574.52 | 574.04 | 575.27 | 575.42 | 575.23 | 574.24 | 575.18 | 575.99 | 574.78 | 574.3 | 574.55 | 575.03 | 574.84 | 573.90 |
| A05U | 582.51 | 579.25 | 578.71 | 573.60* | 577.27 | 579.45 | 576.71 | 577.68 | 576.85 | 580.26** | 576.00 | 577.21 | 577.22 | 580.09 | 578.91 | 576.13 | 576.31 | 578.22 | 581.01 | 576.46 | 575.64 ⁽⁴⁾ |
| A06D | 579.73 | 574.59 | 574.77 | 572.99 | 571.66 | 575.06 | 574.49 | 573.89 | 573.68 | 574.69 | 575.27 | 574.79 | 574.31 | 575.13 | 575.83 | 574.46 | 570.18* | 571.75 | 575.48 | 574.38 | 589.60* |
| A07U | 585.06 | 580.56 | 579.74 | 578.25 | 580.04 | 580.45 | 578.51 | 579.68 | 579.52 | 580.67 | 579.74 | 578.59 | 581.21 | 580.21 | 580.33 | 578.47 | 579.41 | 580.05 | 581.89 | 577.99 | 578.78 |

NOTES:

NOTES:

- [1] Groundwater and top of casing elevations reported in feet above mean sea level (msl).
- [2] * - Groundwater elevation on this date appears to be anomalous, based on historic data.
- [3] ** - Water column in monitoring well A05U was frozen during the January 2008 sampling event. Groundwater elevation was measured and well was sampled on 03-20-08.
- [4] - Well cap was frozen and depth to groundwater could not be measured on 12-28-10. Groundwater elevation given is from 11-23-2010 when the well was sampled.
- [5] - NA - Well cap was frozen and well could not be opened to sample on 12-28-10

TABLE 2
RESULTS OF QUARTERLY GROUNDWATER QUALITY ANALYSIS (NOVEMBER/DECEMBER 2010)
JEFFERSON SMURFIT CORPORATION LANDFILL
NTH PROJECT No. 62-090118-Q410

| PARAMETER | SAMPLE DESIGNATION | | | | | | MDL |
|---------------------------------|--------------------|-------|------|-------|-------|-------|-----------|
| | A05U | A07U | A02D | A03D | A04D | A06D | |
| | | | | | | | |
| | | | | | | | |
| Manganese (dissolved) | 0.013 | 0.033 | | 0.083 | 0.082 | 0.028 | 0.001 |
| Ammonia | 0.21 | 0.080 | | 0.38 | 0.39 | 0.35 | 0.02 |
| Nitrate/Nitrite | ND/ND | ND/ND | | ND/ND | ND/ND | ND/ND | 0.02/0.02 |
| Total Inorganic Nitrogen | 0.21 | 0.080 | | 0.38 | 0.39 | 0.35 | 0.02 |
| COD | 10 | 15 | | 30 | 50 | 40 | 5.0 |
| Phenols | ND | ND | | ND | 0.01 | 0.01 | 0.01 |
| TOC | 1.5 | 2.4 | | 4.7 | 4.0 | 2.8 | 0.5 |
| Temperature (°C) | 10.6 | 12.5 | | 10.6 | 10.7 | 10.8 | - |
| Specific Conductance (umhos/cm) | 1,872 | 1,741 | | 2,020 | 2,630 | 2,350 | - |
| pH (S.U.) | 6.73 | 6.65 | | 6.76 | 7.12 | 7.20 | - |
| NOTES: | | | | | | | |

NOTES:

1. MDL = Method Detection Limit; ND = Not Detected
2. mg/L = milligrams per liter; S.U. = Standard Unit; umhos/cm = micromhos per centimeter, °C = degrees centigrade.
3. Samples collected by NTH on November 23, and December 28, 2010 and analyzed by Brighton Analytical, L.L.C.
4. Well A02D could not be opened at time of sampling, well cap was frozen on.

TABLE 3
RESULTS OF SURFACE WATER QUALITY ANALYSES (NOVEMBER 2010)
JEFFERSON SMURFIT CORPORATION LANDFILL
NTH PROJECT No. 62-090118-Q410

| PARAMETER | SAMPLE DESIGNATION | | | | MDL |
|---------------------------------|--------------------|----------------------|-------|-------|-------|
| | SW-1 (Upstream) | SW-3 (Downstream) | SW-4* | SW-5* | |
| GENERAL ANALYSIS (AMBIENT) | | | | | |
| Ammonia | 0.10 | FROZEN | - | - | 0.02 |
| Nitrate/Nitrite | 1/ND | | - | - | 0.02 |
| pH (S.U.) | 5.90 | | - | - | - |
| Phosphorus (total) | 0.32 | | - | - | 0.01 |
| Specific Conductance (umhos/cm) | 713 | | - | - | - |
| Sulfates | 250 | | - | - | 2.0 |
| Temperature (°C) | 8.9 | | - | - | - |
| Total Dissolved Solids | 470 | | - | - | 20 |
| Total Inorganic Nitrogen | 1.1 | | - | - | 0.02 |
| BOD5 | 8.0 | | - | - | 1.0 |
| TOXIC ELEMENTS (METALS) | | | | | |
| Arsenic | 0.009 | FROZEN | - | - | 0.001 |
| Calcium | 150 | | - | - | 1.0 |
| Magnesium | 34 | | - | - | 1.0 |
| Manganese | 0.2 | | - | - | 0.001 |
| Sodium | 15 | | - | - | 1.0 |
| Zinc | 0.28 | | - | - | 0.004 |
| NOTES: | | | | | |

NOTES:

1. MDL = Method Detection Limit; ND = Not Detected.
2. mg/L = milligrams per liter; ppm = parts per million; S.U. = Standard Unit; umhos/cm = micromhos per centimeter; °C = degrees centigrade.
3. Samples collected by NTH on November 23, 2010, and analyzed by Brighton Analytical, L.L.C.
4. * - The designated sampling location was dry during this sampling event.

TABLE 4
Statistical Analysis of Nitrate-Nitrogen
Using Method of Proportions
 NTH PROJECT NO. 02-09018-0410

| Date | Upgradient | | Downgradient | | | | MDL |
|-------------|------------|------|--------------|------|------|------|------|
| | A05U | A07U | A02D | A03D | A04D | A06D | |
| 04/24/91 | 0.07 | | 0.03 | ND | | | 0.04 |
| 08/02/91 | ND | | ND | ND | | | 0.04 |
| 11/15/91 | ND | | ND | ND | | | 0.04 |
| 05/22/92 | ND | | ND | ND | | | 0.04 |
| 06/14/93 | 0.32 | 0.18 | 0.20 | 0.10 | 0.13 | 0.47 | 0.10 |
| 08/29/94 | ND | ND | ND | ND | ND | ND | 0.01 |
| 08/20/96 | 0.04 | 0.06 | 0.05 | 0.05 | ND | 0.05 | 0.01 |
| 09/30/96 | ND | ND | ND | ND | ND | ND | 0.01 |
| 12/05/96 | ND | ND | ND | ND | ND | ND | 0.01 |
| 12/11/96 | ND | ND | ND | ND | 0.04 | ND | 0.01 |
| 12/18/96 | ND | 0.01 | 0.02 | 0.02 | 0.06 | 0.02 | 0.01 |
| 12/30/96 | ND | 0.04 | 0.07 | ND | ND | ND | 0.01 |
| 04/03/97 | ND | 0.04 | ND | 0.02 | 0.05 | 0.03 | 0.01 |
| 06/30/97 | 0.01 | 0.03 | 0.05 | 0.06 | 0.04 | 0.03 | 0.01 |
| 03/30/99 | ND | ND | ND | ND | ND | ND | 0.01 |
| 08/28/98 | ND | 0.01 | 0.01 | 0.03 | ND | ND | 0.01 |
| 09/02/98 | ND | 0.02 | ND | ND | ND | ND | 0.01 |
| 12/07/98 | ND | ND | ND | ND | ND | ND | 0.01 |
| 03/11/98 | ND | ND | ND | 0.03 | ND | 0.03 | 0.01 |
| 08/03/99 | 0.08 | 0.01 | 0.05 | 0.01 | 0.02 | ND | 0.01 |
| 09/07/99 | ND | ND | ND | ND | ND | 0.60 | 0.01 |
| 12/08/99 | ND | ND | ND | ND | ND | ND | 0.01 |
| 02/23/00 | ND | ND | ND | ND | ND | ND | 0.01 |
| 05/23/00 | ND | ND | ND | ND | ND | ND | 0.01 |
| 09/07/00 | ND | ND | ND | ND | ND | ND | 0.01 |
| 11/20/00 | ND | ND | ND | ND | ND | ND | 0.01 |
| 02/15/01 | ND | ND | ND | ND | ND | ND | 0.01 |
| 04/18/01 | ND | 0.15 | ND | 0.01 | ND | ND | 0.01 |
| 08/06/01 | 0.02 | ND | 0.03 | ND | ND | ND | 0.01 |
| 11/05/01 | ND | ND | ND | ND | ND | ND | 0.01 |
| 01/28/02 | ND | 0.04 | ND | ND | 0.11 | 0.03 | 0.01 |
| 06/20/02 | ND | ND | ND | ND | ND | ND | 0.02 |
| 08/22/02 | ND | ND | ND | ND | ND | ND | 0.02 |
| 11/26/02 | ND | ND | ND | 0.02 | ND | ND | 0.02 |
| 02/20/03 | 0.33 | ND | 0.05 | 0.11 | 0.88 | ND | 0.02 |
| 05/15/03 | ND | ND | ND | ND | ND | ND | 0.02 |
| 09/22/03 | ND | 0.07 | ND | ND | ND | ND | 0.02 |
| 12/28/03 | ND | ND | ND | ND | ND | ND | 0.02 |
| 03/01/04 | ND | ND | ND | ND | ND | ND | 0.02 |
| 06/09/04 | ND | ND | ND | ND | ND | ND | 0.02 |
| 08/05/04 | 0.02 | 0.37 | ND | 0.73 | 0.26 | 0.03 | 0.02 |
| 11/30/04 | ND | ND | ND | ND | ND | ND | 0.02 |
| 03/16/05 | ND | ND | ND | ND | ND | ND | 0.02 |
| 6/23-24/05 | ND | ND | ND | ND | ND | ND | 0.02 |
| 08/21/05 | ND | ND | ND | ND | ND | ND | 0.02 |
| 12/19/05 | ND | ND | 0.06 | 0.46 | 0.07 | 0.08 | 0.02 |
| 03/02/06 | ND | ND | ND | ND | ND | ND | 0.02 |
| 08/08/06 | ND | ND | ND | ND | ND | ND | 0.02 |
| 08/24/06 | ND | ND | 0.04 | 0.11 | 0.03 | 0.04 | 0.02 |
| 11/07/06 | 3.5 | ND | 0.09 | ND | 0.06 | 0.11 | 0.02 |
| 02/02/07 | ND | ND | ND | ND | ND | ND | 0.02 |
| 06/29/07 | 0.07 | 0.49 | ND | 0.16 | 0.29 | 0.27 | 0.02 |
| 09/20/07 | 0.17 | 0.02 | 0.08 | 0.06 | 0.2 | 0.04 | 0.02 |
| 10/30/07 | ND | ND | 0.08 | ND | ND | ND | 0.02 |
| 01/21/08 | ND | ND | ND | ND | ND | ND | 0.02 |
| 06/12-18/08 | ND | 0.03 | ND | ND | ND | ND | 0.02 |
| 08/05/08 | ND | 0.09 | 0.08 | ND | ND | 0.04 | 0.02 |
| 12/18/08 | ND | ND | ND | ND | ND | ND | 0.02 |
| 02/28/08 | ND | ND | ND | 0.4 | 0.21 | ND | 0.02 |
| 06/04/08 | ND | 0.03 | 0.02 | ND | ND | ND | 0.02 |
| 09/14/09 | ND | ND | 0.02 | ND | ND | ND | 0.02 |
| 11/19/09 | ND | 0.08 | ND | 0.06 | ND | ND | 0.02 |
| 01/13/10 | ND | ND | ND | 0.27 | 0.14 | 0.31 | 0.02 |
| 05/12/10 | 0.21 | ND | ND | 0.34 | ND | 0.20 | 0.02 |
| 08/17/10 | 0.02 | ND | ND | ND | ND | ND | 0.02 |

Test of Proportions:

| | | | |
|---------|-------|------|-------|
| N = | 128 | M = | 255 |
| X = | 32 | Y = | 71 |
| Pu = | 0.250 | Pd = | 0.278 |
| X + Y = | 103 | F1 = | 0.289 |
| N + M = | 383 | F2 = | 0.731 |
| 1/N = | 0.008 | F3 = | 0.012 |
| 1/M = | 0.004 | | |
| | | Sd = | 0.048 |
| | | Z = | 0.592 |

97.5th Percentile of Normal Distribution = 1.96

Z < 1.96 Therefore: No statistically significant evidence that proportion of samples above MDL is different in background and compliance wells.

Statistical Analysis of Phenolics
Using Method of Proportions
NTH PROJECT No. 62-086118-Q410

| Date | Upgradient | | Downgradient | | | | MOL |
|-------------|------------|-------|--------------|-------|-------|-------|-------|
| | A05U | A07U | A02D | A03D | A04D | A06D | |
| 04/24/81 | ND | | ND | ND | | | |
| 05/22/82 | ND | | ND | ND | | | 0.004 |
| 08/14/83* | 0.041 | 0.038 | 0.023 | 0.032 | 0.068 | 0.032 | 0.004 |
| 06/29/84 | 0.005 | ND | ND | ND | ND | ND | 0.005 |
| 06/20/86 | ND | ND | ND | ND | ND | ND | 0.005 |
| 08/30/86 | ND | ND | ND | ND | ND | ND | 0.010 |
| 12/06/86 | ND | ND | 0.030 | ND | ND | ND | 0.010 |
| 12/11/88 | 0.080 | 0.030 | ND | ND | ND | ND | 0.010 |
| 12/18/88 | ND | ND | ND | ND | ND | ND | 0.010 |
| 12/30/88 | ND | ND | ND | ND | ND | ND | 0.010 |
| 04/03/87 | ND | ND | ND | ND | ND | ND | 0.010 |
| 06/03/87 | ND | ND | ND | ND | ND | ND | 0.010 |
| 03/30/88 | ND | ND | ND | ND | ND | ND | 0.010 |
| 08/28/88 | ND | ND | ND | ND | ND | 0.340 | 0.010 |
| 09/02/88 | ND | ND | ND | ND | ND | ND | 0.010 |
| 12/07/88 | 0.010 | 0.060 | 0.100 | 0.030 | 0.030 | 0.020 | 0.010 |
| 03/11/89 | ND | ND | ND | ND | ND | ND | 0.010 |
| 08/03/89 | ND | ND | ND | ND | ND | ND | 0.010 |
| 09/07/89 | ND | ND | ND | ND | 0.010 | ND | 0.010 |
| 12/08/89 | 0.030 | 0.020 | 0.040 | 0.030 | 0.060 | ND | 0.010 |
| 02/23/00 | ND | 0.020 | 0.060 | 0.090 | 0.030 | 0.050 | 0.010 |
| 05/23/00 | ND | ND | ND | 0.030 | ND | ND | 0.010 |
| 09/07/00 | ND | ND | ND | ND | ND | ND | 0.010 |
| 11/20/00 | 0.02 | 0.02 | 0.02 | 0.02 | 0.01 | ND | 0.010 |
| 02/15/01 | 0.03 | 0.03 | 0.04 | 0.04 | 0.03 | 0.04 | 0.010 |
| 04/18/01 | 0.01 | ND | 0.03 | 0.07 | ND | ND | 0.010 |
| 08/08/01 | ND | ND | ND | ND | ND | ND | 0.010 |
| 11/06/01 | 0.01 | 0.01 | 0.03 | 0.22 | 0.10 | 0.01 | 0.010 |
| 01/28/02 | ND | ND | ND | ND | ND | ND | 0.010 |
| 05/20/02 | ND | ND | ND | ND | ND | ND | 0.010 |
| 08/22/02 | ND | ND | ND | ND | ND | ND | 0.010 |
| 11/28/02 | ND | ND | ND | ND | 0.01 | ND | 0.010 |
| 02/20/03 | ND | ND | ND | ND | ND | ND | 0.010 |
| 05/15/03 | 0.02 | 0.04 | 0.01 | ND | ND | ND | 0.010 |
| 09/22/03 | ND | 0.02 | 0.02 | 0.01 | 0.02 | 0.01 | 0.010 |
| 12/28/03 | ND | 0.02 | ND | ND | ND | 0.02 | 0.010 |
| 03/01/04 | ND | ND | ND | ND | 0.03 | 0.02 | 0.010 |
| 08/08/04 | ND | ND | ND | ND | ND | ND | 0.010 |
| 08/09/04 | ND | ND | ND | ND | 0.02 | ND | 0.010 |
| 11/30/04 | ND | ND | ND | ND | ND | ND | 0.010 |
| 03/19/06 | ND | ND | ND | ND | ND | ND | 0.010 |
| 5/23-24/05 | 0.01 | 0.01 | ND | ND | ND | ND | 0.010 |
| 08/21/05 | 0.01 | 0.02 | ND | ND | ND | ND | 0.010 |
| 12/19/05 | 0.02 | 0.02 | 0.14 | 0.62 | 0.02 | 0.02 | 0.010 |
| 03/02/06 | 0.04 | 0.01 | 0.04 | 0.03 | 0.02 | 0.03 | 0.010 |
| 08/08/06 | ND | 0.02 | 0.01 | ND | ND | 0.01 | 0.010 |
| 08/28/06 | ND | 0.11 | ND | ND | ND | ND | 0.010 |
| 11/07/06 | 0.02 | ND | ND | ND | ND | ND | 0.010 |
| 02/02/07 | 0.02 | ND | ND | ND | ND | ND | 0.010 |
| 06/28/07 | 0.03 | ND | ND | ND | ND | ND | 0.010 |
| 08/20/07 | ND | ND | ND | ND | ND | ND | 0.010 |
| 10/30/07 | ND | ND | ND | ND | ND | ND | 0.010 |
| 01/21/08 | ND | ND | 0.01 | ND | ND | ND | 0.010 |
| 05/12-18/08 | ND | ND | ND | ND | 0.01 | ND | 0.010 |
| 09/05/08 | ND | ND | ND | ND | ND | ND | 0.010 |
| 12/18/08 | 0.05 | 0.02 | 0.05 | 0.03 | 0.08 | 0.03 | 0.010 |
| 02/28/09 | 0.07 | 0.07 | ND | 0.12 | 0.02 | 0.06 | 0.010 |
| 06/04/09 | ND | ND | ND | ND | ND | ND | 0.010 |
| 09/14/09 | ND | ND | ND | ND | ND | ND | 0.010 |
| 11/18/09 | 0.01 | 0.01 | 0.01 | 0.02 | 0.02 | 0.02 | 0.010 |
| 01/13/10 | ND | ND | ND | ND | 0.02 | 0.05 | 0.010 |
| 05/12/10 | ND | ND | ND | ND | 0.18 | 0.07 | 0.010 |
| 08/17/10 | ND | ND | ND | ND | ND | ND | 0.010 |
| | | | ND | ND | ND | ND | 0.010 |

* Deleted in This next Section

Test of Proportions: "Detected in Trip and Equip. Blanks and was not included in the statistical analysis

| | | | |
|---------|-------|------|-------|
| N = | 124 | M = | 247 |
| X = | 39 | Y = | 70 |
| Pu = | 0.306 | Pd = | 0.203 |
| X + Y = | 108 | F1 = | 0.291 |
| N + M = | 371 | F2 = | 0.709 |
| 1/N = | 0.008 | F3 = | 0.012 |
| 1/M = | 0.004 | | |

Sd = 0.0500
Z = 0.461

97.5th Percentile of Normal Distribution =

196

 $Z < 1.08$

Therefore: No statistically significant evidence that proportion of samples above MDL is different in background and compliance wells.